

Data File : VL034195.D

Acq On : 19 Sep 2019 10:34

Operator : SY/AP

Sample : VSTDCCC010

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Quant Time: Sep 19 11:05:32 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 18 12:53:31 2019

QLast Update : Wed Sep 18 12:53:31 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1159054	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	1950494	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.16	117	2528626	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.50	95	1823178	8.30	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.03	85	1435392	8.384	ppbv	99
3) Chlorodifluoromethane	2.97	51	1241454	9.135	ppbv	99
4) Chloromethane	3.12	50	749245	9.382	ppbv	97
5) Vinyl Chloride	3.24	62	659773	9.040	ppbv	99
6) Bromomethane	3.47	94	313794	9.215	ppbv	95
7) Chloroethane	3.55	64	241201	9.455	ppbv	98
8) Dichlorotetrafluoroethane	3.17	85	1381112	9.140	ppbv	99
9) Propene	2.99	41	609479	9.090	ppbv	100
10) Heptane	8.17	43	1623530	9.291	ppbv	99
11) Trichlorofluoromethane	3.95	101	1473746	9.457	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.49	101	958847	9.402	ppbv	99
13) Ethanol	3.60	45	136056	8.380	ppbv	97
14) Bromoethene	3.73	108	411255	9.863	ppbv	99
15) Acetone	3.84	43	1260580	8.115	ppbv	98
16) 1,3-Butadiene	3.31	39	657378	9.697	ppbv	98
17) tert-Butyl alcohol	4.29	59	1081319	10.986	ppbv	100
18) 1,1-Dichloroethene	4.29	96	430312	9.674	ppbv	95
19) Isopropyl Alcohol	3.97	45	987763	10.340	ppbv	100
20) Methylene Chloride	4.35	84	395330	8.826	ppbv	97
21) Allyl Chloride	4.42	41	884718	10.083	ppbv	99
22) trans-1,2-Dichloroethene	4.90	96	435604	9.788	ppbv	97
23) Vinyl Acetate	5.09	43	2128696	9.299	ppbv	99
24) 1,1-Dichloroethane	5.03	63	1390640	9.022	ppbv	99
25) Ethyl Acetate	5.70	43	2604113	8.865	ppbv	100
26) Hexane	5.71	57	1094645	8.958	ppbv	99
27) Carbon Disulfide	4.56	76	1226796	10.886	ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	1678420	9.248	ppbv	99
29) Chloroform	5.78	83	1634945	9.363	ppbv	99
30) Cyclohexane	7.17	84	815839	9.248	ppbv	99
31) cis-1,2-Dichloroethene	5.57	61	1172703	9.414	ppbv	100
32) 1,1,1-Trichloroethane	6.55	97	1568555	9.314	ppbv	99
34) 2-Butanone	5.26	43	1814946	9.113	ppbv	100
35) Carbon Tetrachloride	7.06	117	1574131	9.714	ppbv	98
36) Benzene	6.93	78	1975874	9.172	ppbv	98
37) 1,2-Dichloroethane	6.34	62	1494831	9.756	ppbv	100
38) Trichloroethene	7.89	130	668494	8.685	ppbv	94
39) 1,2-Dichloropropane	7.66	63	873077	9.020	ppbv	98
40) 1,4-Dioxane	7.88	88	291423	9.304	ppbv #	94
41) Tetrahydrofuran	6.08	42	1069814	9.538	ppbv	99
42) Bromodichloromethane	7.84	83	1810269	9.845	ppbv	98
43) Methyl Methacrylate	8.06	69	877794	9.864	ppbv	99

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Quant Time: Sep 19 11:05:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.92	57	3726606	8.986	ppbv	99
45) t-1,3-Dichloropropene	9.34	75	1148237	10.913	ppbv	97
46) cis-1,3-Dichloropropene	8.76	75	1295769	10.238	ppbv	98
47) 1,1,2-Trichloroethane	9.54	97	790242	9.092	ppbv	95
48) Dibromochloromethane	10.37	129	1366474	9.920	ppbv	100
49) Bromoform	13.12	173	1109076	9.949	ppbv	99
50) 4-Methyl-2-Pentanone	8.79	43	2664827	9.194	ppbv	99
51) 2-Hexanone	10.19	43	2258819	9.286	ppbv #	99
52) Tetrachloroethene	11.29	164	594931	8.359	ppbv	94
53) Toluene	9.87	91	2175744	9.241	ppbv	100
54) 1,2-Dibromoethane	10.68	107	1187043	9.184	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.20	131	875229	7.761	ppbv	98
57) Chlorobenzene	12.22	112	1556506	7.070	ppbv	100
58) Ethyl Benzene	12.78	91	1534479	3.761	ppbv	99
59) m/p-Xylene	13.07	91	2222461	6.577	ppbv #	21
60) o-Xylene	13.77	91	2438480	7.216	ppbv	98
61) Styrene	13.61	104	1792933	7.407	ppbv	99
62) Isopropylbenzene	14.75	105	3168624	7.244	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.76	83	1776068	6.410	ppbv	100
64) n-propylbenzene	15.64	120	811796	7.335	ppbv	93
65) tert-Butylbenzene	16.83	119	2655307	6.947	ppbv	99
66) Benzyl Chloride	17.08	91	1240290	9.172	ppbv	99
67) sec-Butylbenzene	17.38	105	3853780	7.051	ppbv	99
69) p-Isopropyltoluene	17.74	119	3107635	7.022	ppbv	100
70) n-Butylbenzene	18.64	91	3604517	6.995	ppbv	98
71) 2-Chlorotoluene	15.54	91	2556376	7.153	ppbv	100
72) 4-Ethyltoluene	15.92	105	2788973	7.305	ppbv	99
73) 1,3,5-Trimethylbenzene	16.08	105	2654600	7.197	ppbv	100
74) 1,2,4-Trimethylbenzene	16.85	105	2680844	6.845	ppbv	95
75) 1,3-Dichlorobenzene	17.09	146	1446099	6.882	ppbv	99
76) 1,4-Dichlorobenzene	17.22	146	1468713	6.825	ppbv	99
77) 1,2-Dichlorobenzene	17.91	146	1430066	6.724	ppbv	99
78) Hexachloro-1,3-Butadiene	23.46	225	1054169	7.484	ppbv	98
79) Naphthalene	22.31	128	2369396	6.872	ppbv	99
80) Naphthalene,2-methyl-	25.05	142	1014921	6.330	ppbv	100
81) 1,2,4-Trichlorobenzene	22.04	180	1278324	6.693	ppbv	100

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

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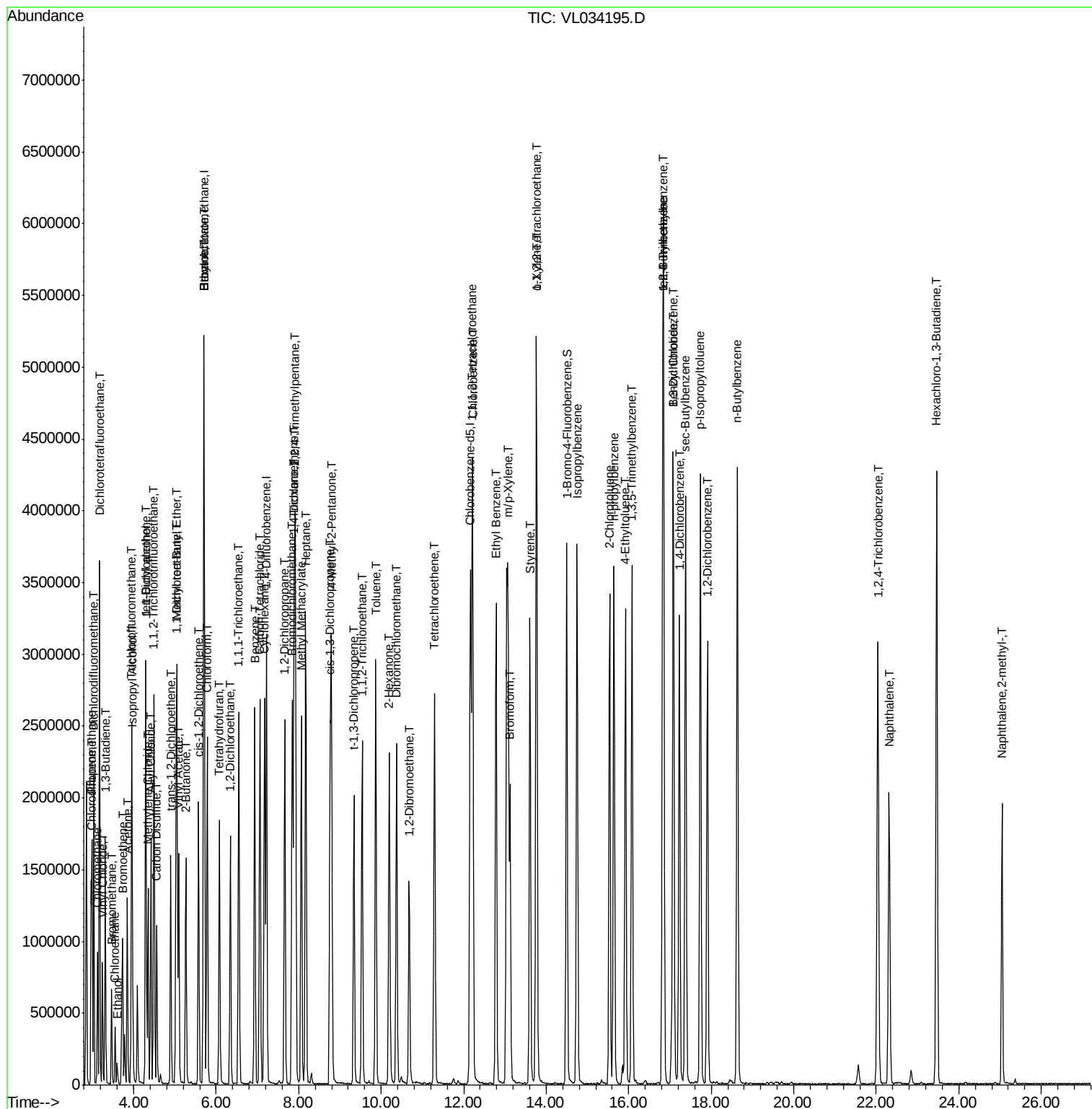
Quant Time: Sep 19 11:05:32 2019

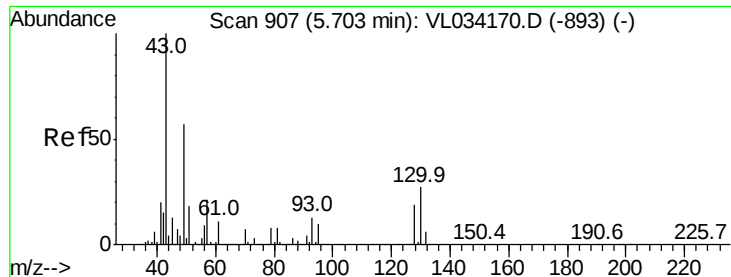
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL091719AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 904

Delta R.T. -0.01 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

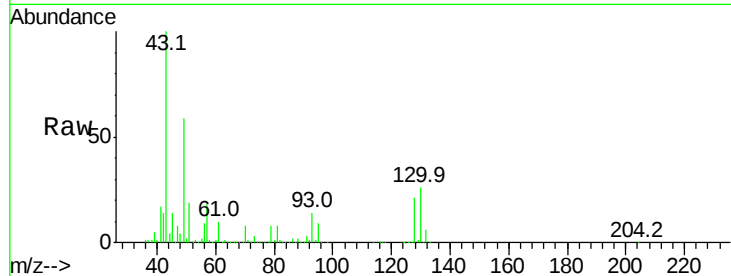
Tgt Ion: 49 Resp: 1159054

Ion Ratio Lower Upper

49 100

128 33.9 17.6 52.9

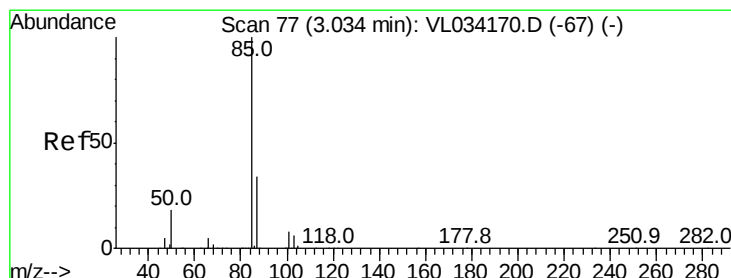
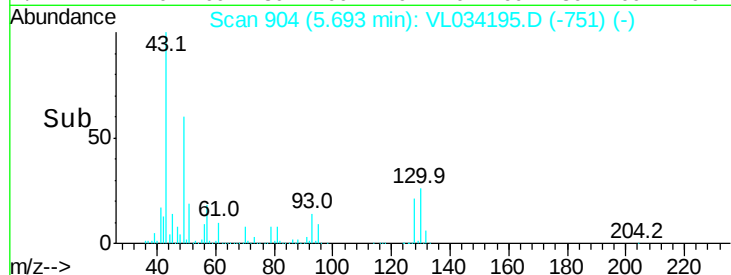
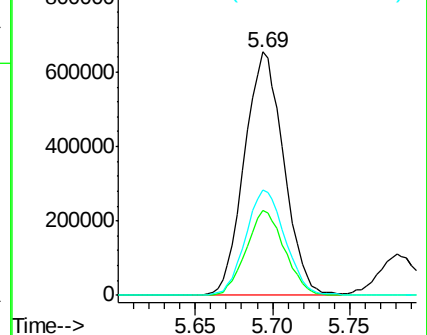
130 43.5 22.3 66.9



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 8.384 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.00 min

Lab File: VL034195.D

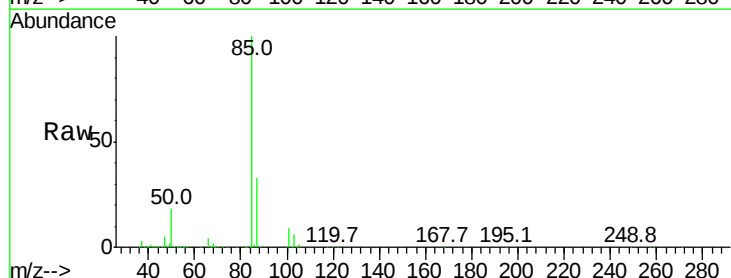
Acq: 19 Sep 2019 10:34

Tgt Ion: 85 Resp: 1435392

Ion Ratio Lower Upper

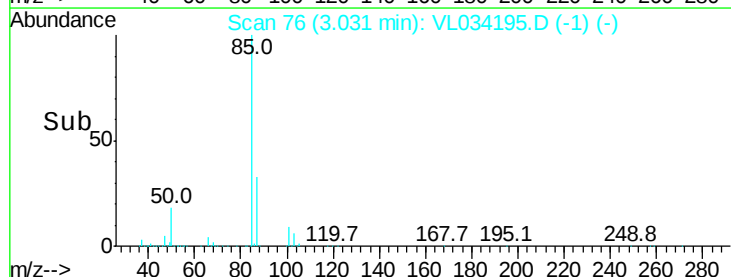
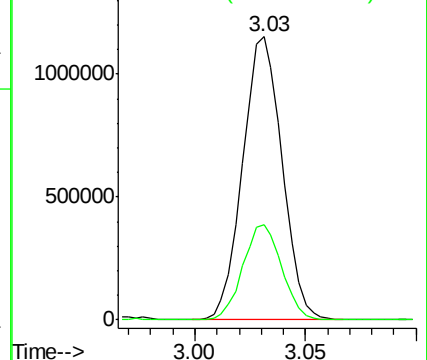
85 100

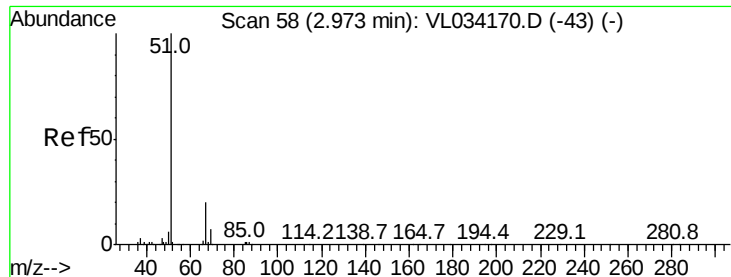
87 33.5 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.135 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.01 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

Instrument :

MSVOA_L

ClientSampleId :

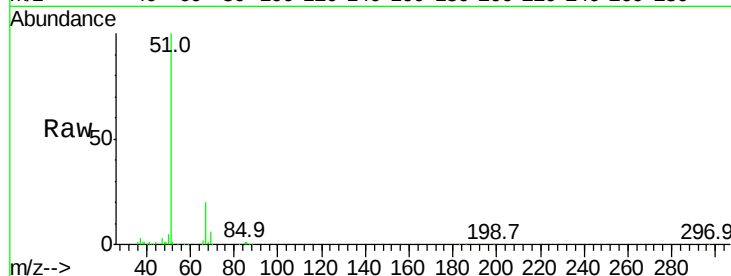
VSTDCCC010EC

Tgt Ion: 51 Resp: 1241454

Ion Ratio Lower Upper

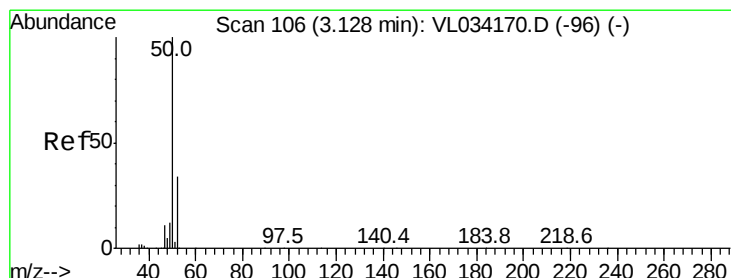
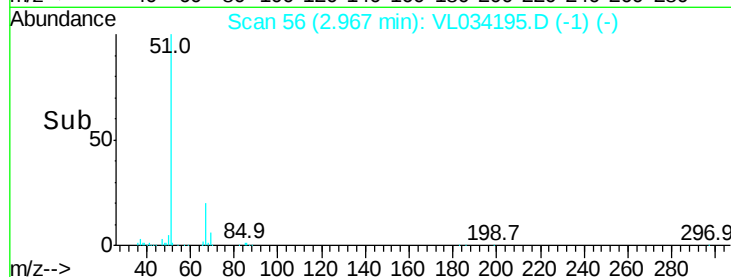
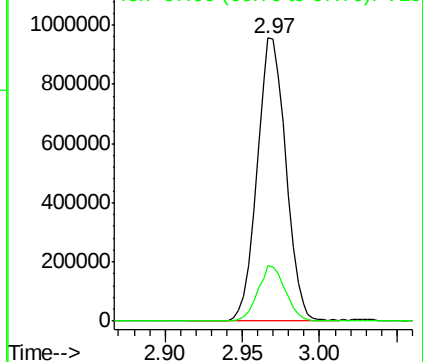
51 100

67 18.8 14.8 22.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.382 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL034195.D

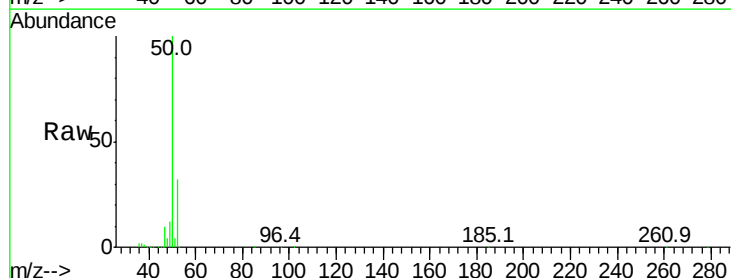
Acq: 19 Sep 2019 10:34

Tgt Ion: 50 Resp: 749245

Ion Ratio Lower Upper

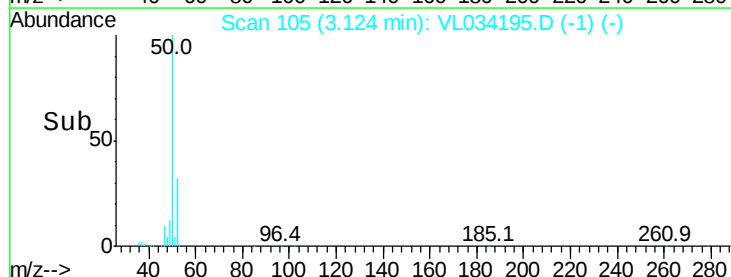
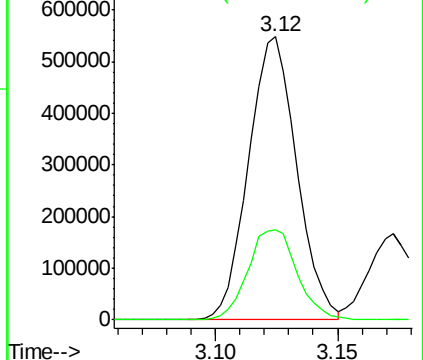
50 100

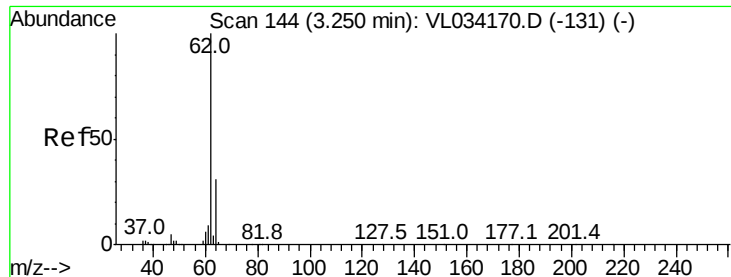
52 32.0 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.040 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.01 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

Instrument :

MSVOA_L

ClientSampleId :

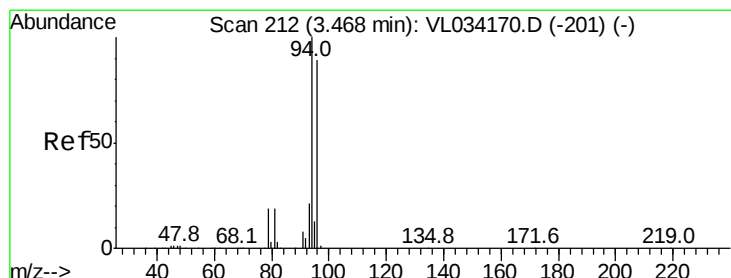
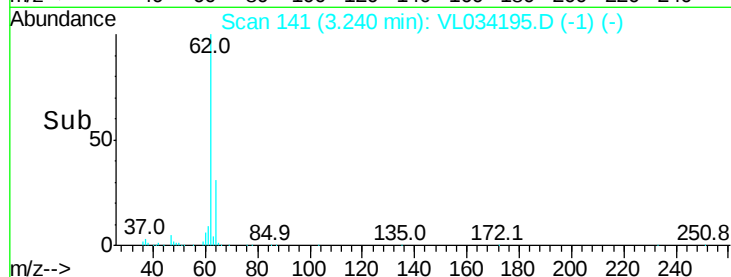
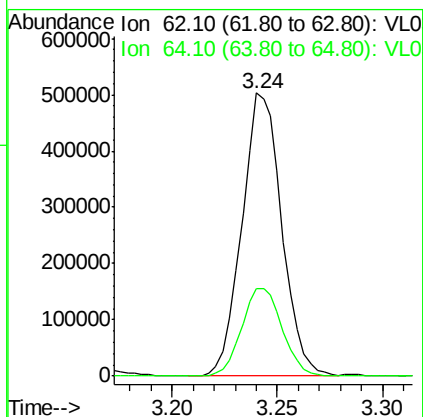
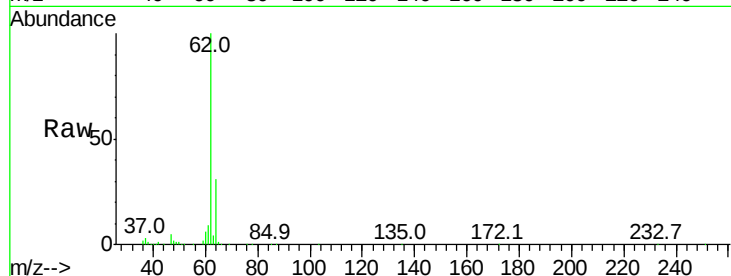
VSTDCCC010EC

Tgt Ion: 62 Resp: 659773

Ion Ratio Lower Upper

62 100

64 30.8 25.2 37.8



#6

Bromomethane

Concen: 9.215 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.00 min

Lab File: VL034195.D

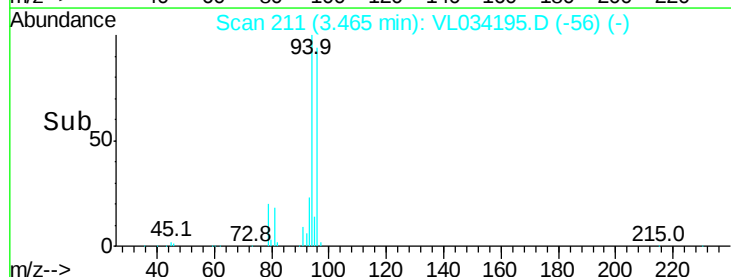
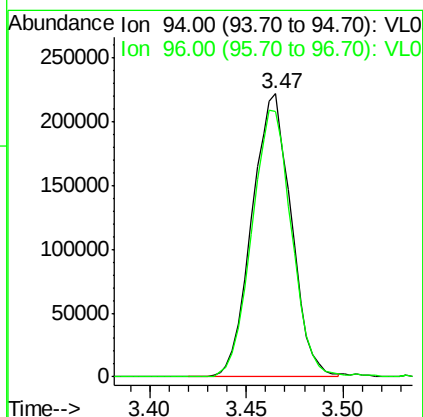
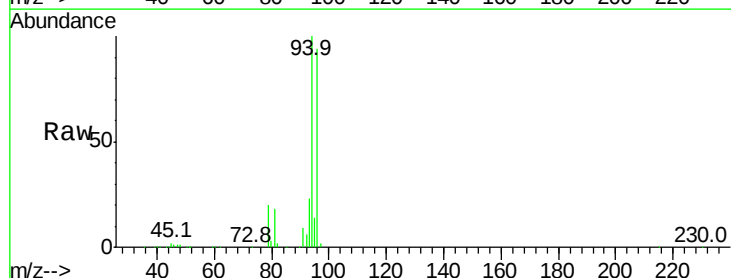
Acq: 19 Sep 2019 10:34

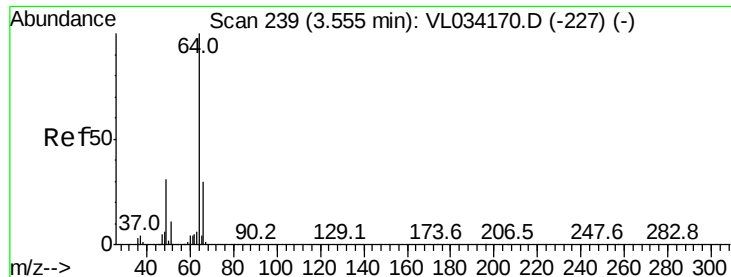
Tgt Ion: 94 Resp: 313794

Ion Ratio Lower Upper

94 100

96 93.9 71.3 106.9





#7

Chloroethane

Concen: 9.455 ppbv

RT: 3.55 min Scan# 237

Delta R.T. -0.01 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

Instrument :

MSVOA_L

ClientSampleId :

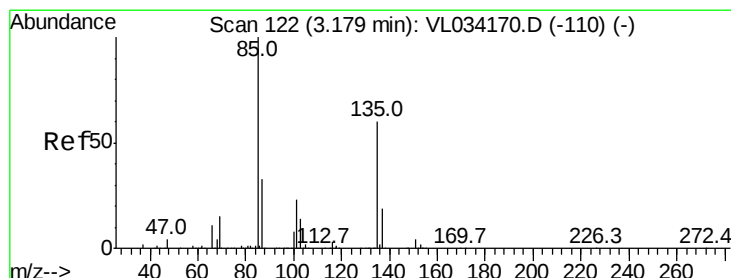
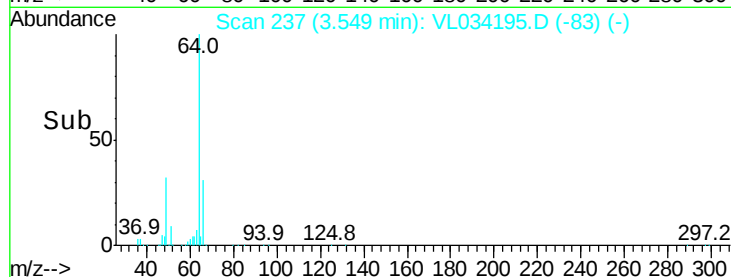
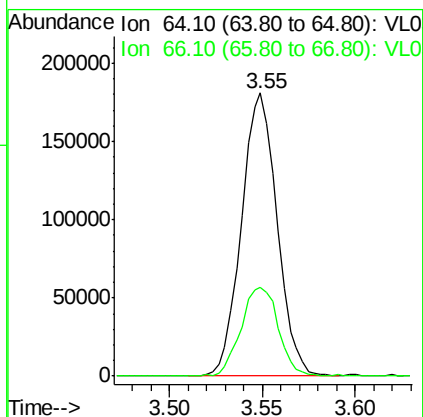
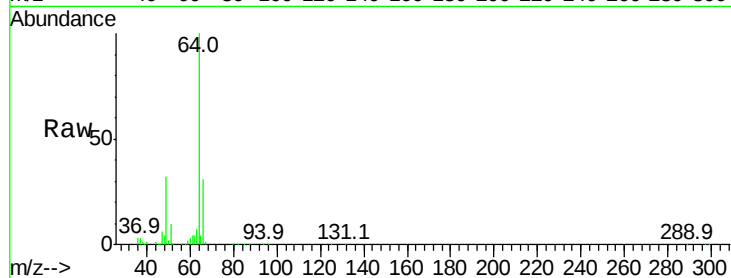
VSTDCCC010EC

Tgt Ion: 64 Resp: 241201

Ion Ratio Lower Upper

64 100

66 31.3 24.2 36.4



#8

Dichlorotetrafluoroethane

Concen: 9.140 ppbv

RT: 3.17 min Scan# 120

Delta R.T. -0.01 min

Lab File: VL034195.D

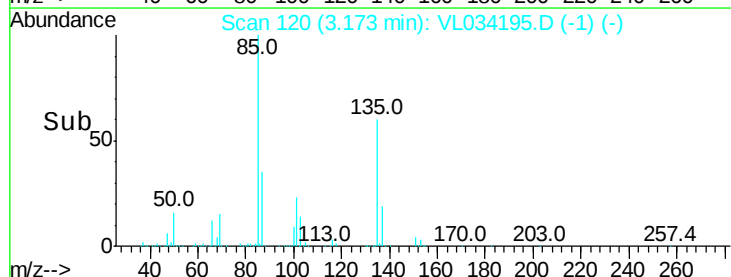
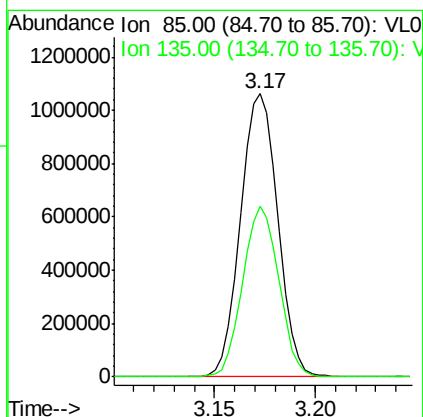
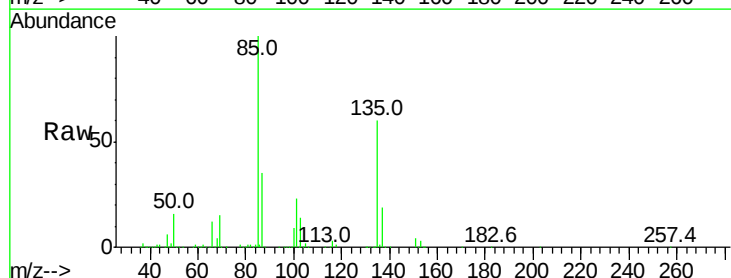
Acq: 19 Sep 2019 10:34

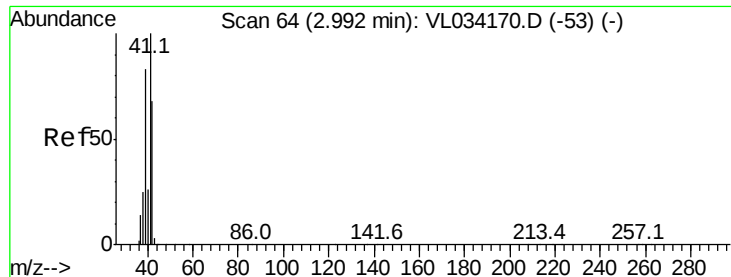
Tgt Ion: 85 Resp: 1381112

Ion Ratio Lower Upper

85 100

135 58.4 47.3 70.9





#9

Propene

Concen: 9.090 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.00 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

Instrument :

MSVOA_L

ClientSampleId :

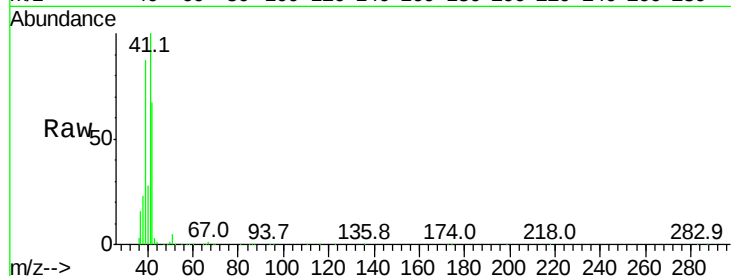
VSTDCCC010EC

Tgt Ion: 41 Resp: 609479

Ion Ratio Lower Upper

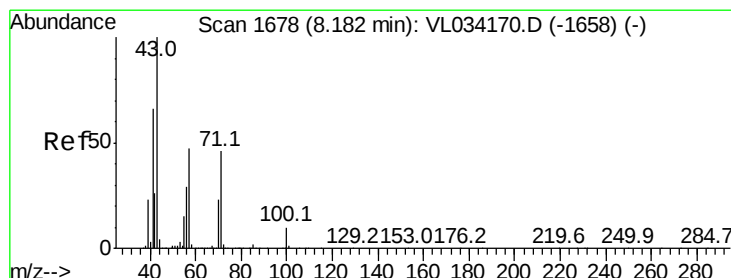
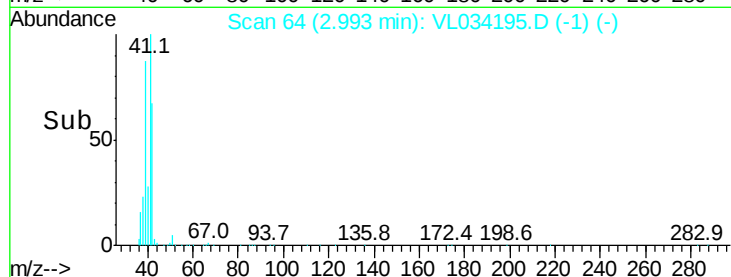
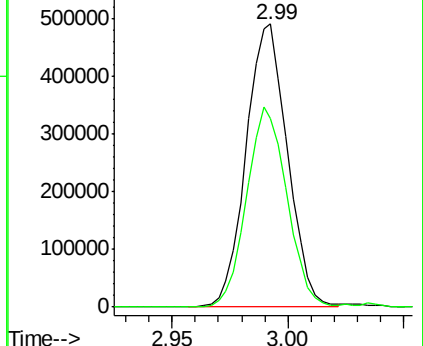
41 100

42 70.0 55.8 83.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.291 ppbv

RT: 8.17 min Scan# 1674

Delta R.T. -0.01 min

Lab File: VL034195.D

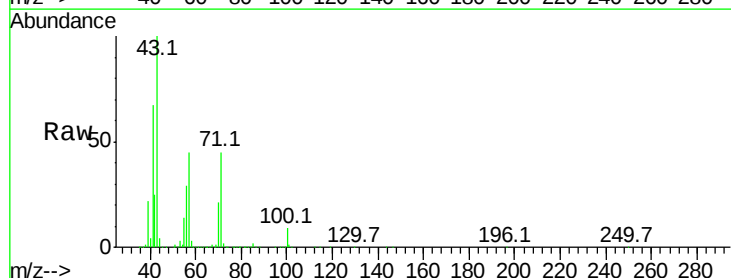
Acq: 19 Sep 2019 10:34

Tgt Ion: 43 Resp: 1623530

Ion Ratio Lower Upper

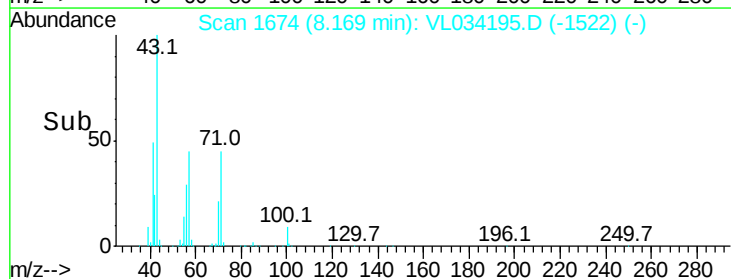
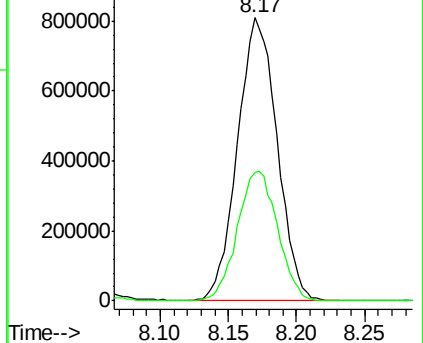
43 100

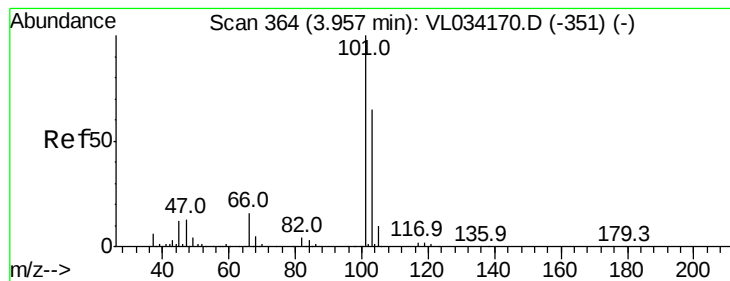
57 46.6 37.5 56.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 9.457 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.01 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

Instrument :

MSVOA_L

ClientSampleId :

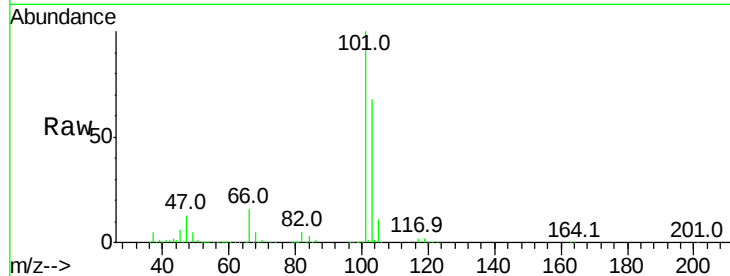
VSTDCCC010EC

Tgt Ion:101 Resp: 1473746

Ion Ratio Lower Upper

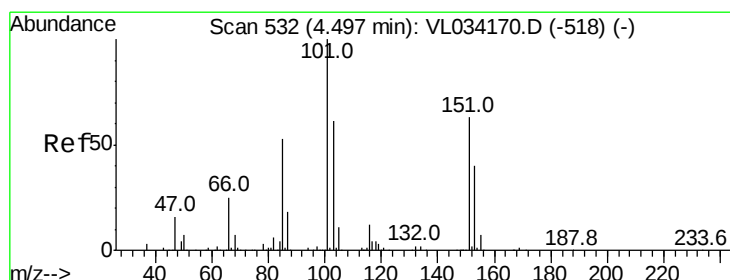
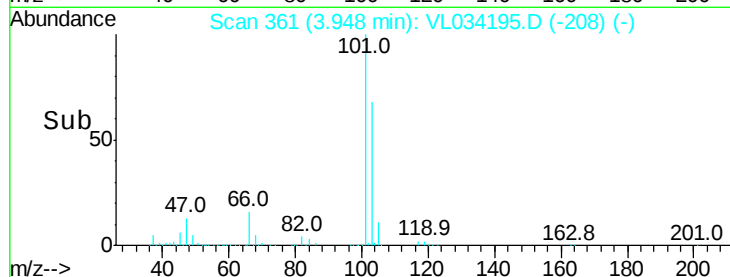
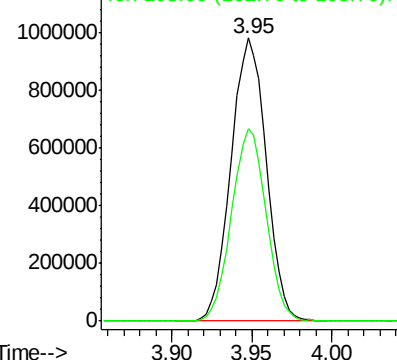
101 100

103 68.1 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: 9.402 ppbv

RT: 4.49 min Scan# 531

Delta R.T. -0.00 min

Lab File: VL034195.D

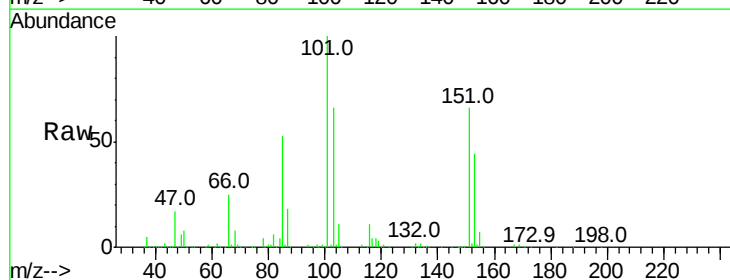
Acq: 19 Sep 2019 10:34

Tgt Ion:101 Resp: 958847

Ion Ratio Lower Upper

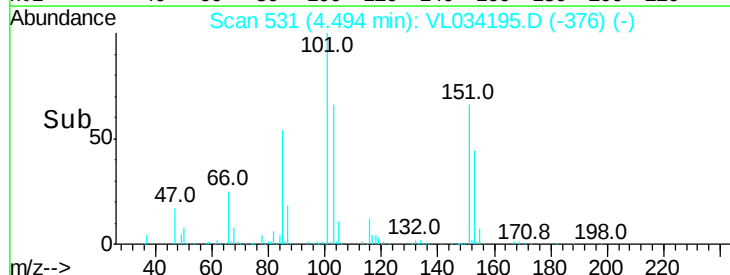
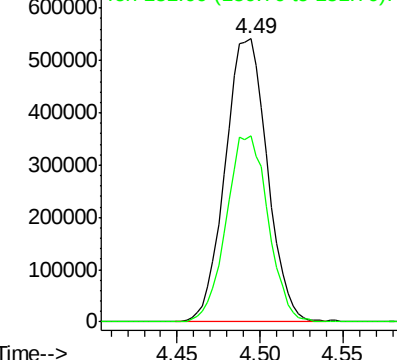
101 100

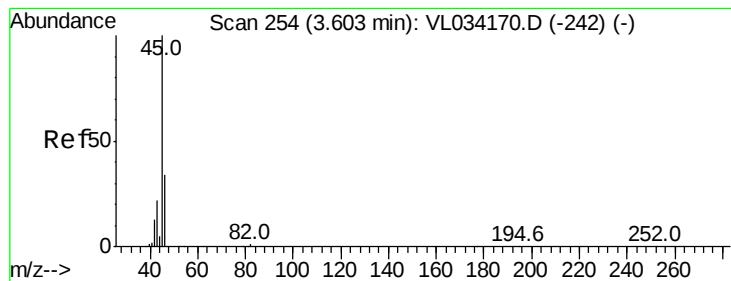
151 65.3 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 8.380 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.01 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

Instrument :

MSVOA_L

ClientSampleId :

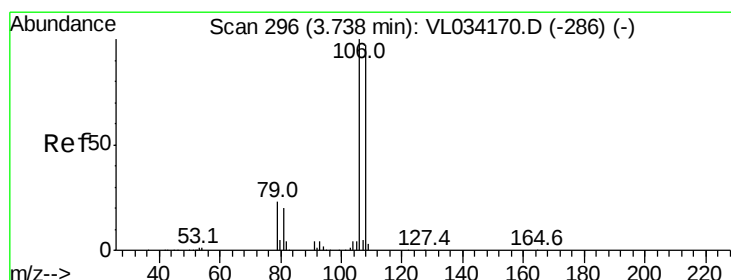
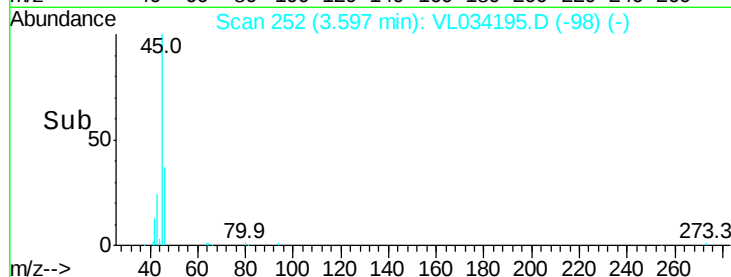
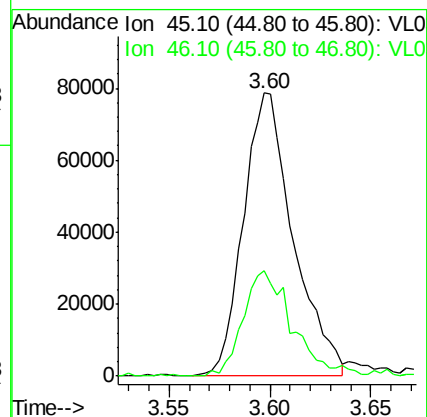
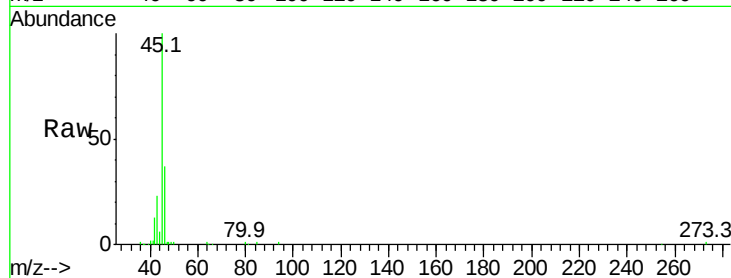
VSTDCCC010EC

Tgt Ion: 45 Resp: 136056

Ion Ratio Lower Upper

45 100

46 37.0 15.5 61.9



#14

Bromoethene

Concen: 9.863 ppbv

RT: 3.73 min Scan# 294

Delta R.T. -0.01 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

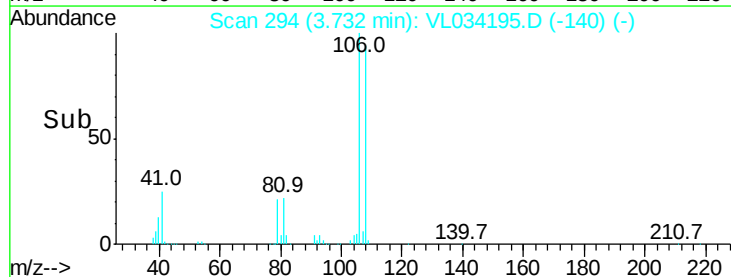
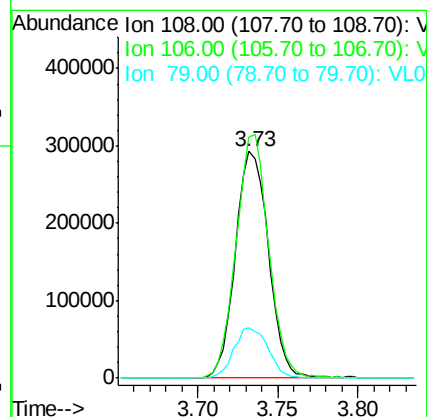
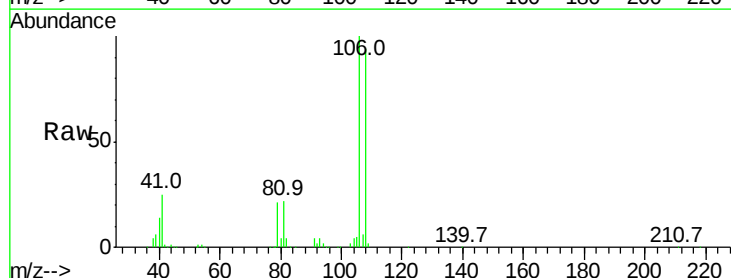
Tgt Ion: 108 Resp: 411255

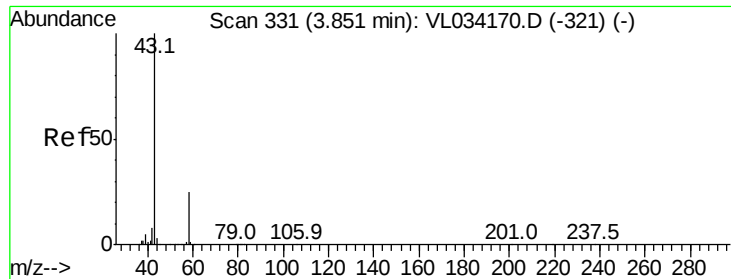
Ion Ratio Lower Upper

108 100

106 106.3 86.2 129.4

79 23.0 18.6 27.8





#15

Acetone

Concen: 8.115 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.01 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

Instrument :

MSVOA_L

ClientSampleId :

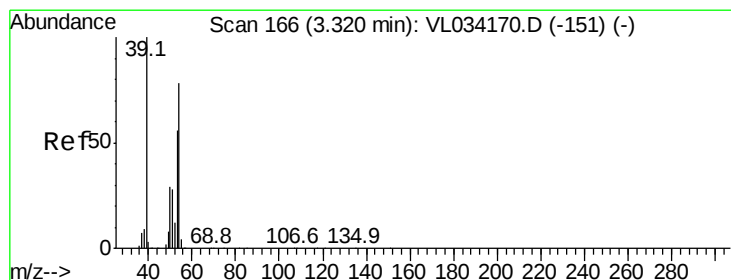
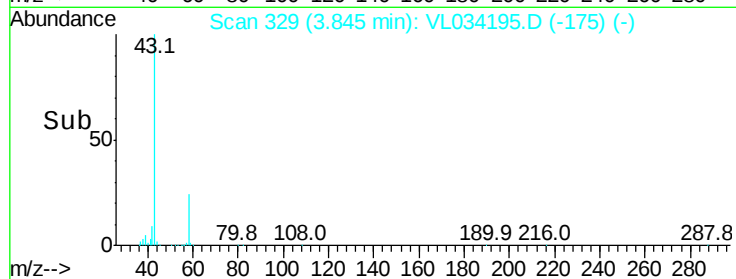
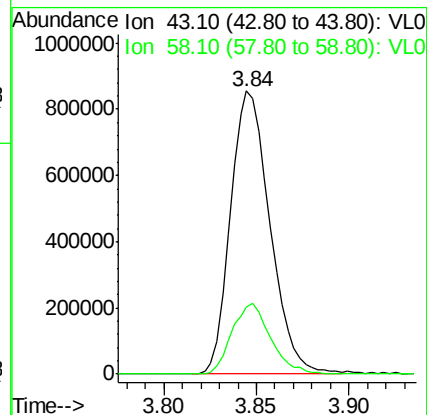
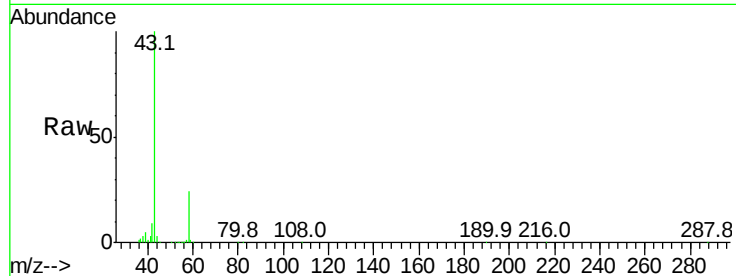
VSTDCCC010EC

Tgt Ion: 43 Resp: 1260580

Ion Ratio Lower Upper

43 100

58 24.7 20.5 30.7



#16

1,3-Butadiene

Concen: 9.697 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.01 min

Lab File: VL034195.D

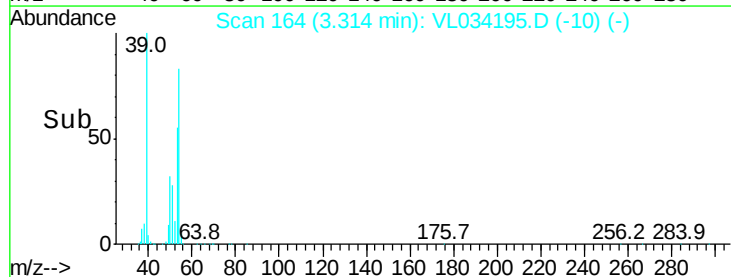
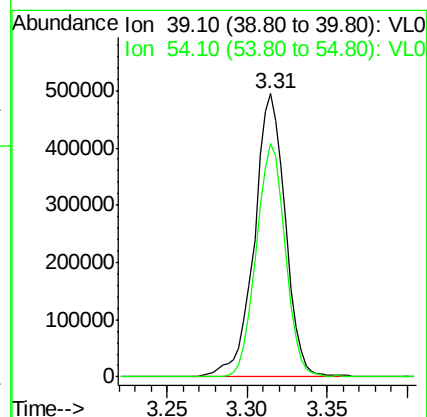
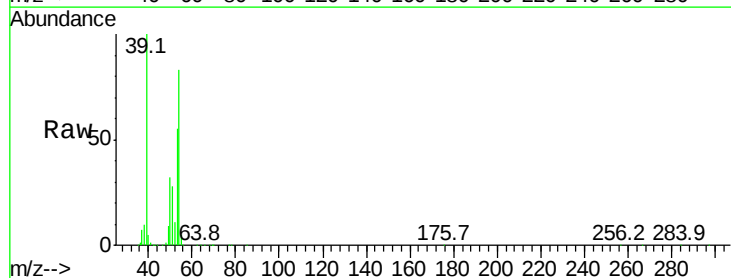
Acq: 19 Sep 2019 10:34

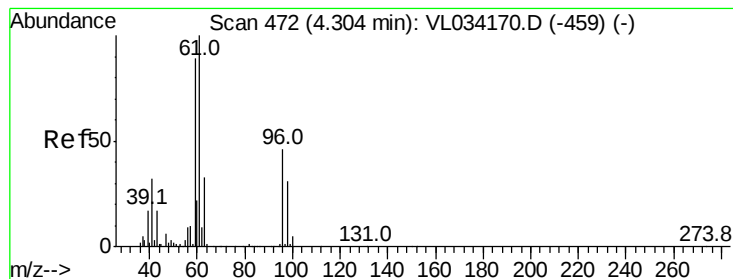
Tgt Ion: 39 Resp: 657378

Ion Ratio Lower Upper

39 100

54 77.7 63.4 95.0





#17

tert-Butyl alcohol

Concen: 10.986 ppbv

RT: 4.29 min Scan# 469

Delta R.T. -0.01 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

Instrument :

MSVOA_L

ClientSampleId :

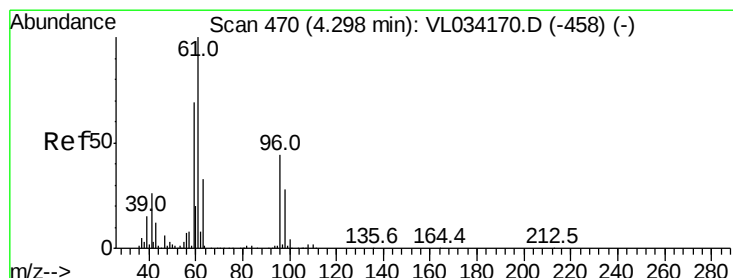
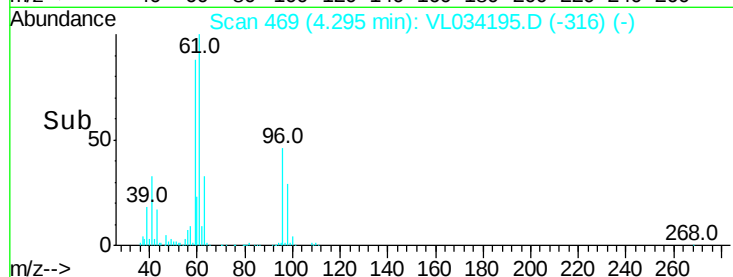
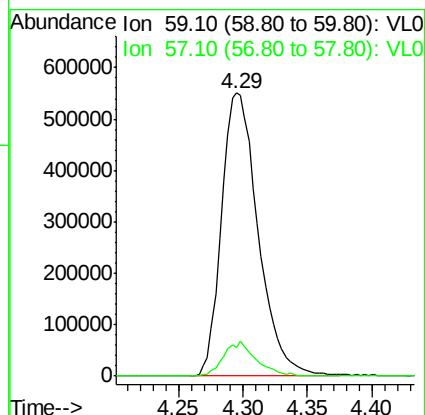
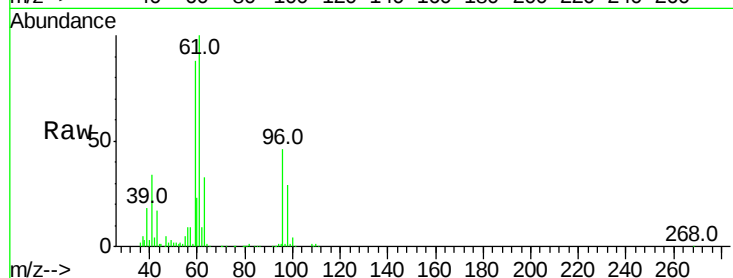
VSTDCCC010EC

Tgt Ion: 59 Resp: 1081319

Ion Ratio Lower Upper

59 100

57 11.1 8.7 13.1



#18

1,1-Dichloroethene

Concen: 9.674 ppbv

RT: 4.29 min Scan# 468

Delta R.T. -0.01 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

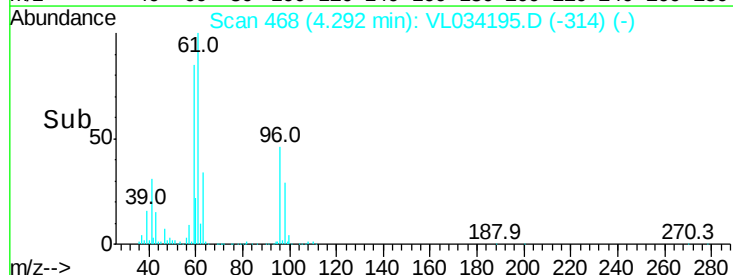
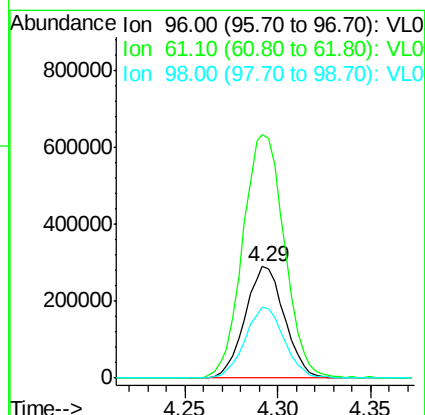
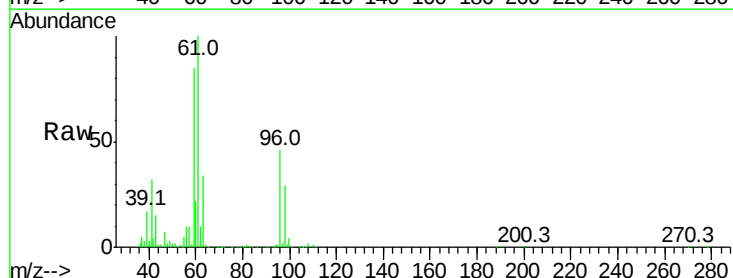
Tgt Ion: 96 Resp: 430312

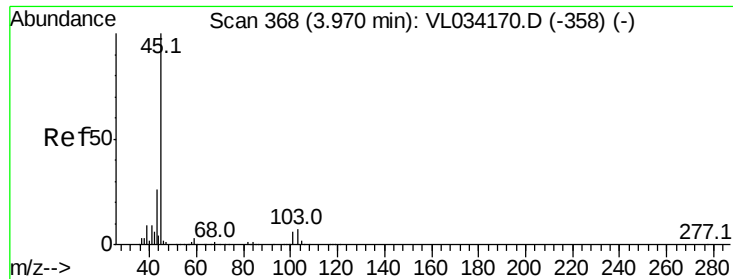
Ion Ratio Lower Upper

96 100

61 218.6 183.3 274.9

98 64.0 51.4 77.2



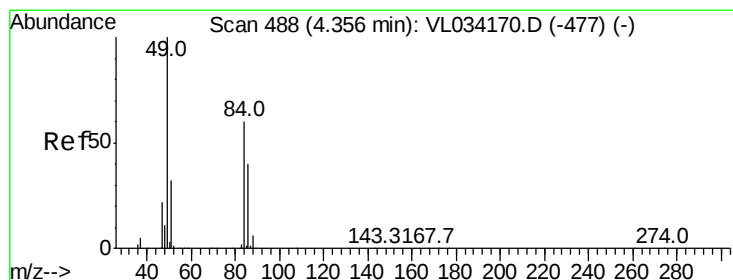
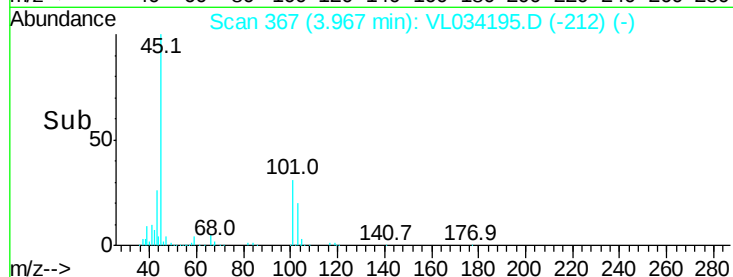
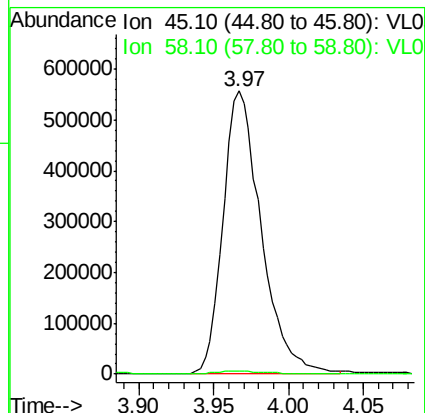
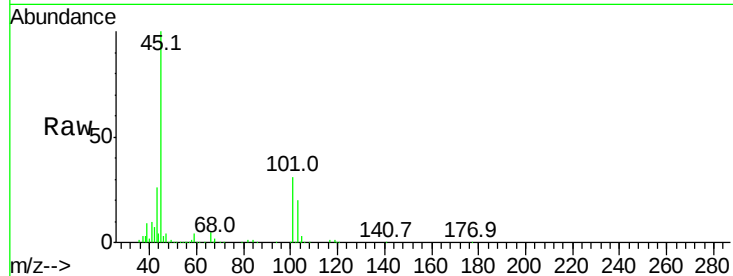


#19

Isopropyl Alcohol
 Concen: 10.340 ppbv
 RT: 3.97 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: VL034195.D
 Acq: 19 Sep 2019 10:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

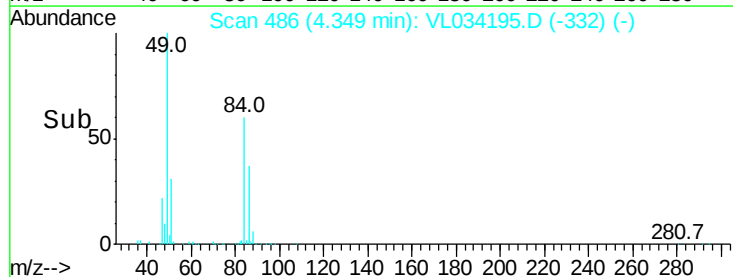
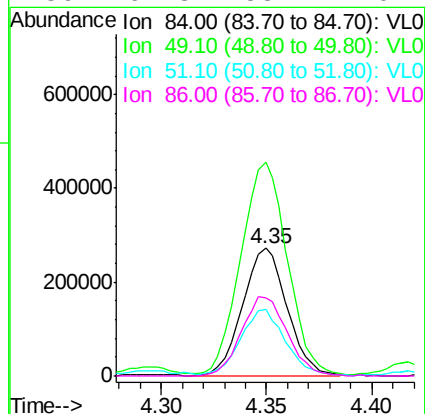
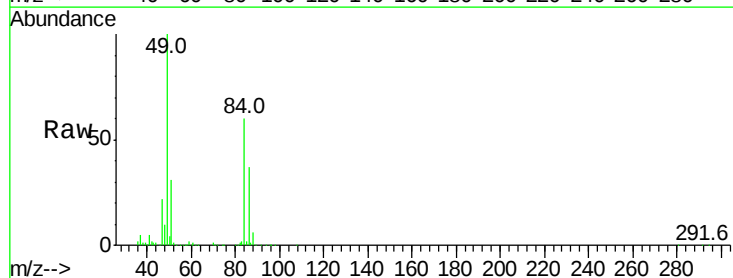
Tgt Ion: 45 Resp: 987763
 Ion Ratio Lower Upper
 45 100
 58 1.6 1.4 2.0

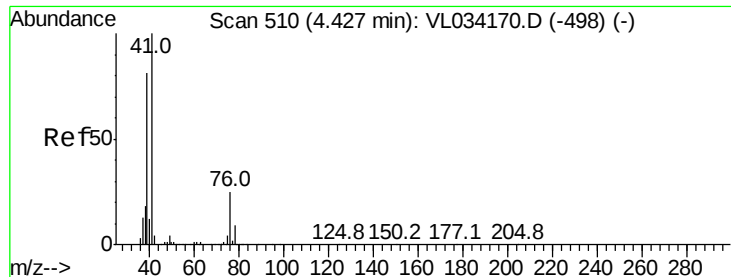


#20

Methylene Chloride
 Concen: 8.826 ppbv
 RT: 4.35 min Scan# 486
 Delta R.T. -0.01 min
 Lab File: VL034195.D
 Acq: 19 Sep 2019 10:34

Tgt Ion: 84 Resp: 395330
 Ion Ratio Lower Upper
 84 100
 49 165.8 133.8 200.8
 51 51.2 43.6 65.4
 86 61.3 53.1 79.7





#21

Allyl Chloride

Concen: 10.083 ppbv

RT: 4.42 min Scan# 507

Delta R.T. -0.01 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

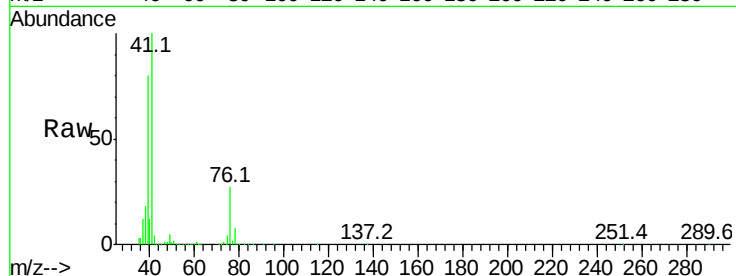
Tgt Ion: 41 Resp: 884718

Ion Ratio Lower Upper

41 100

76 26.7 21.8 32.6

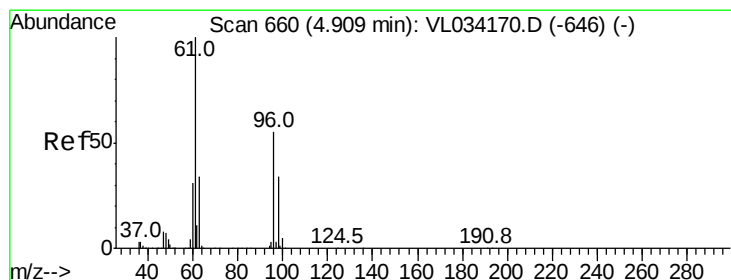
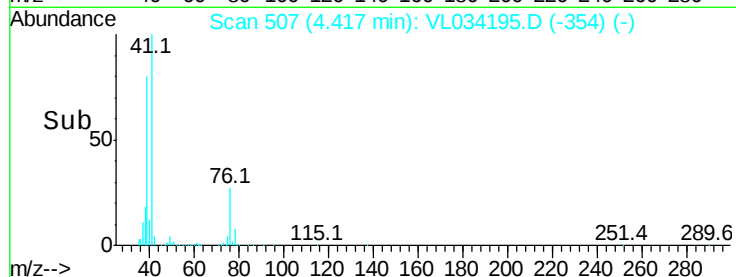
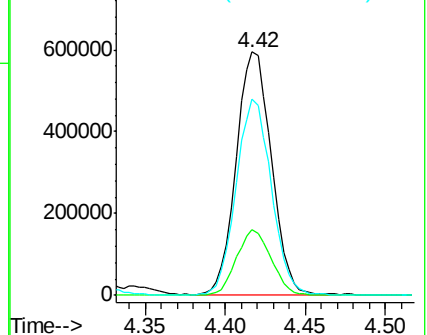
39 81.6 64.8 97.2



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: 9.788 ppbv

RT: 4.90 min Scan# 657

Delta R.T. -0.01 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

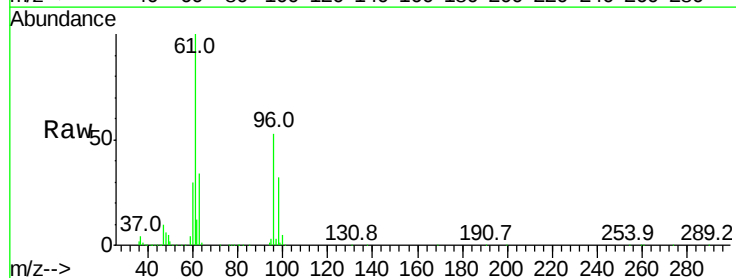
Tgt Ion: 96 Resp: 435604

Ion Ratio Lower Upper

96 100

61 187.0 145.5 218.3

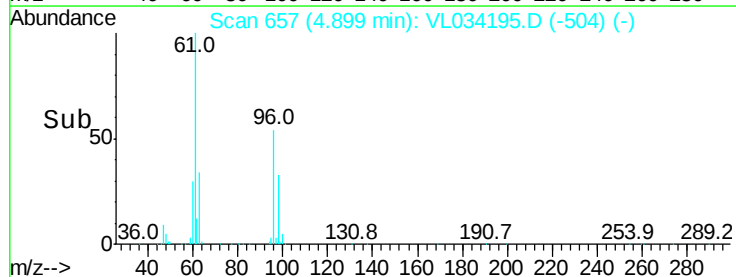
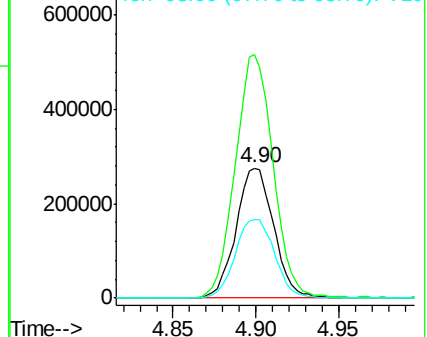
98 60.5 49.9 74.9

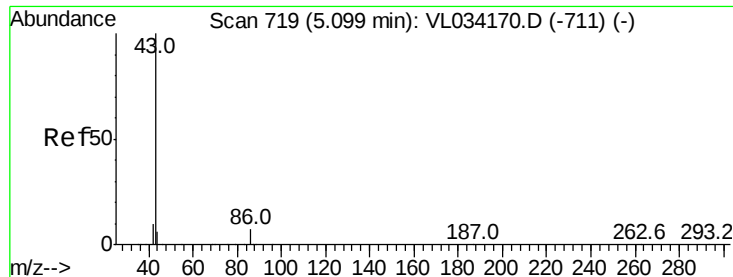


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.299 ppbv

RT: 5.09 min Scan# 716

Delta R.T. -0.01 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 2128696

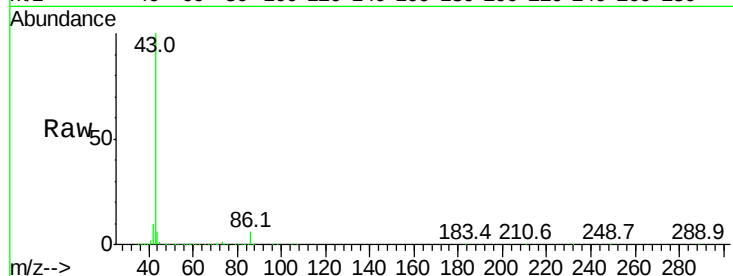
Ion Ratio Lower Upper

43 100

86 6.0 5.1 7.7

42 10.1 8.6 12.8

44 5.4 4.7 7.1

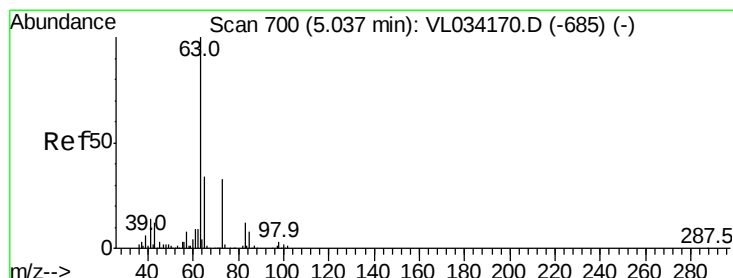
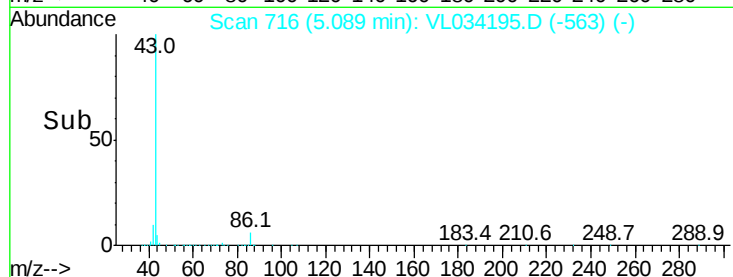
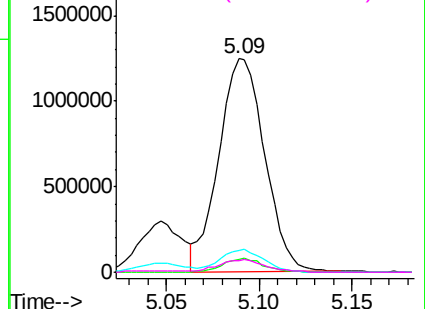


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.022 ppbv

RT: 5.03 min Scan# 697

Delta R.T. -0.01 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

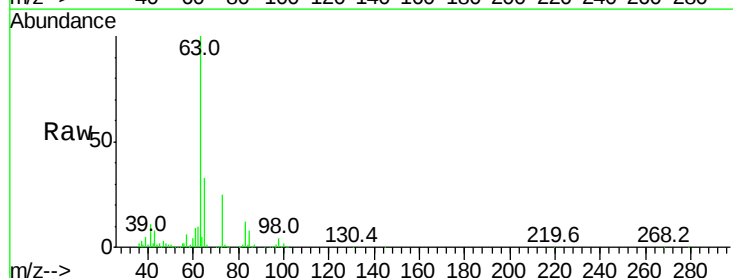
Tgt Ion: 63 Resp: 1390640

Ion Ratio Lower Upper

63 100

98 3.9 1.8 5.3

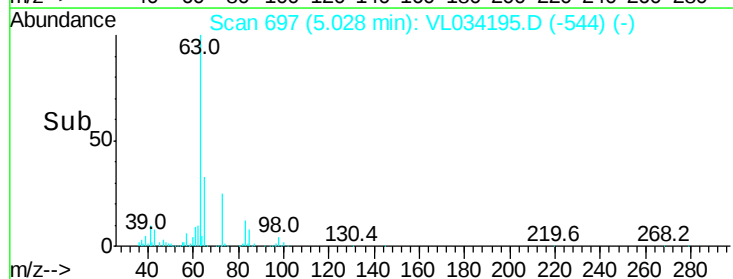
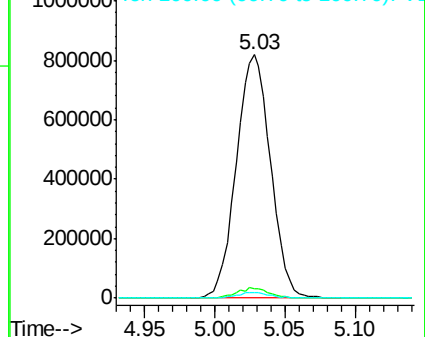
100 2.4 1.0 3.0

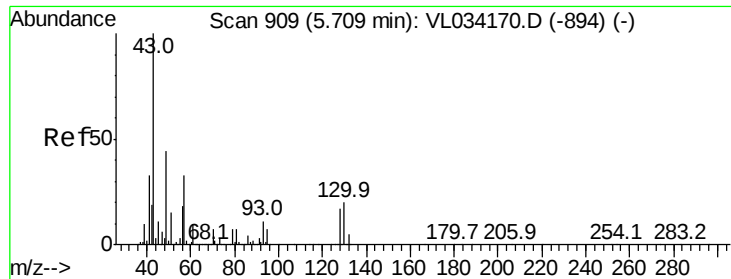


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



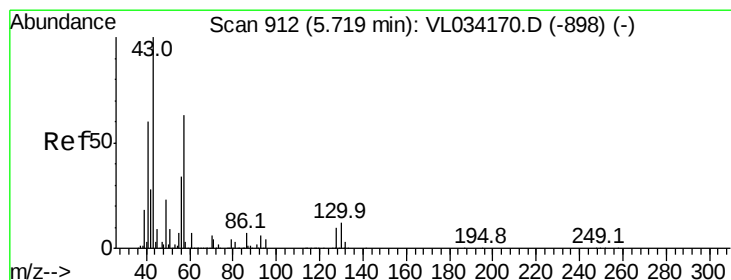
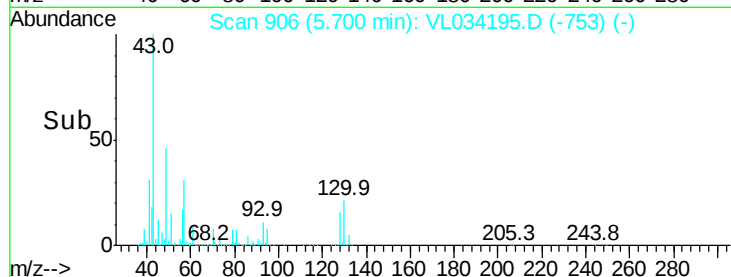
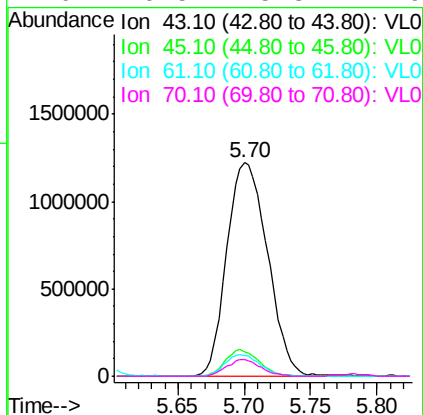
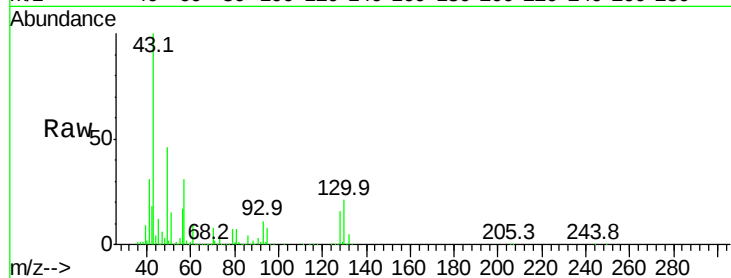


#25
Ethyl Acetate
Concen: 8.865 ppbv
RT: 5.70 min Scan# 906
Delta R.T. -0.01 min
Lab File: VL034195.D
Acq: 19 Sep 2019 10:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 2604113

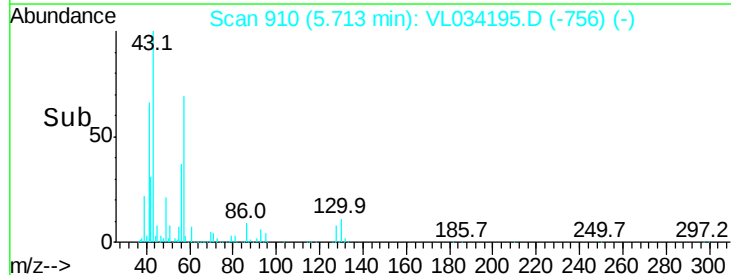
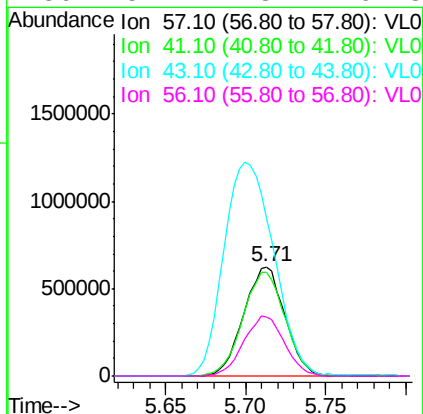
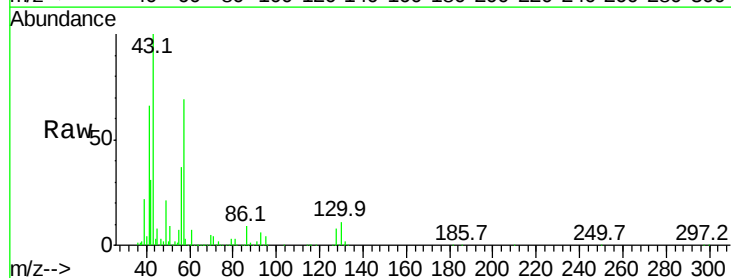
Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.4	12.6
61	8.9	7.2	10.8
70	6.5	5.3	7.9

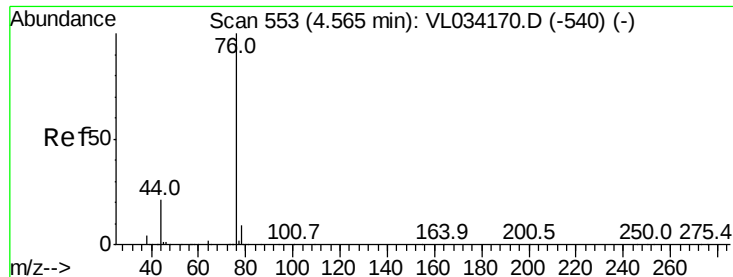


#26
Hexane
Concen: 8.958 ppbv
RT: 5.71 min Scan# 910
Delta R.T. -0.01 min
Lab File: VL034195.D
Acq: 19 Sep 2019 10:34

Tgt Ion: 57 Resp: 1094645

Ion	Ratio	Lower	Upper
57	100		
41	98.5	78.5	117.7
43	239.3	189.5	284.3
56	54.4	43.2	64.8





#27

Carbon Disulfide

Concen: 10.886 ppbv

RT: 4.56 min Scan# 551

Delta R.T. -0.01 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

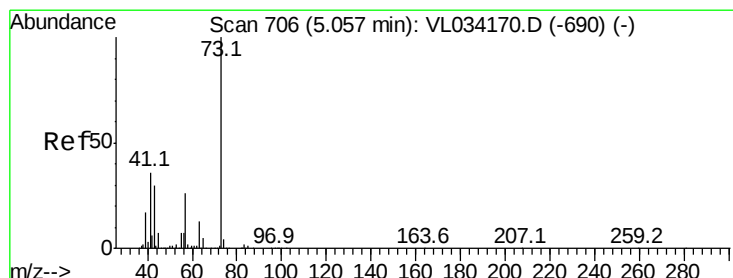
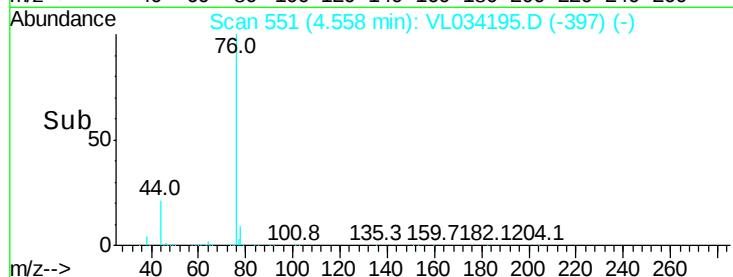
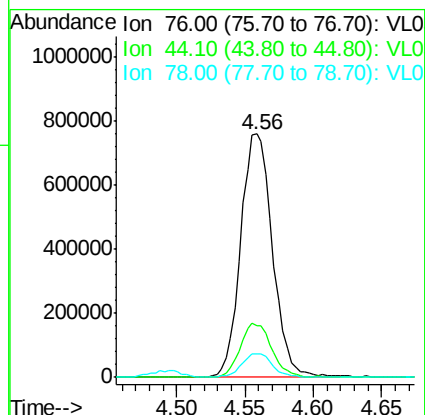
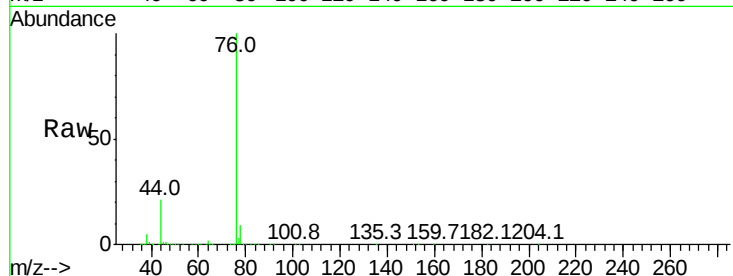
Tgt Ion: 76 Resp: 1226796

Ion Ratio Lower Upper

76 100

44 21.7 17.6 26.4

78 9.3 7.6 11.4



#28

Methyl tert-Butyl Ether

Concen: 9.248 ppbv

RT: 5.05 min Scan# 704

Delta R.T. -0.01 min

Lab File: VL034195.D

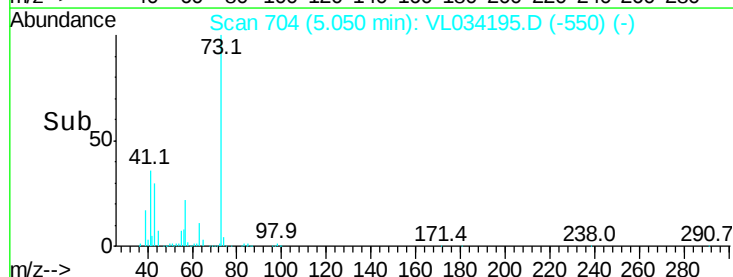
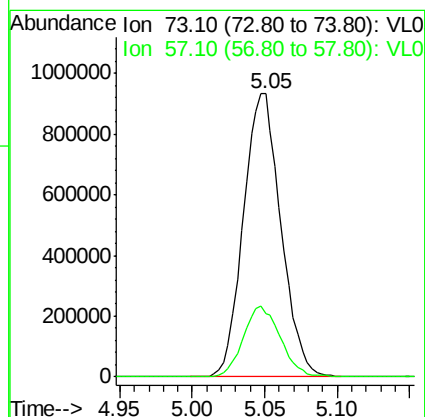
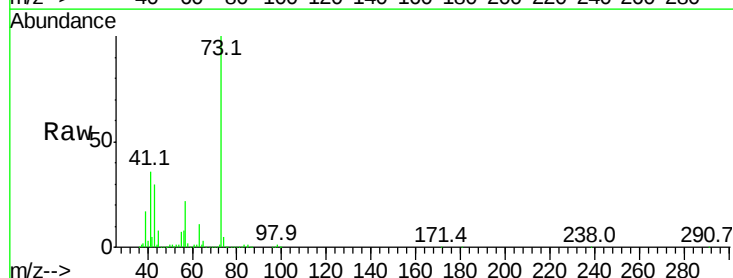
Acq: 19 Sep 2019 10:34

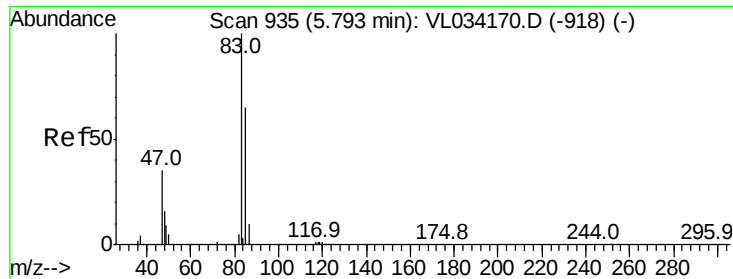
Tgt Ion: 73 Resp: 1678420

Ion Ratio Lower Upper

73 100

57 24.9 20.2 30.2





#29

Chloroform

Concen: 9.363 ppbv

RT: 5.78 min Scan# 931

Delta R.T. -0.01 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

Instrument :

MSVOA_L

ClientSampleId :

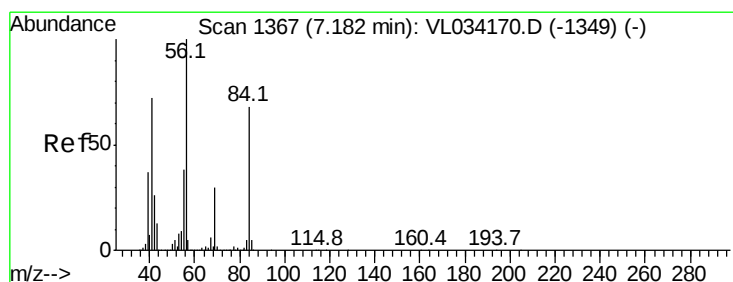
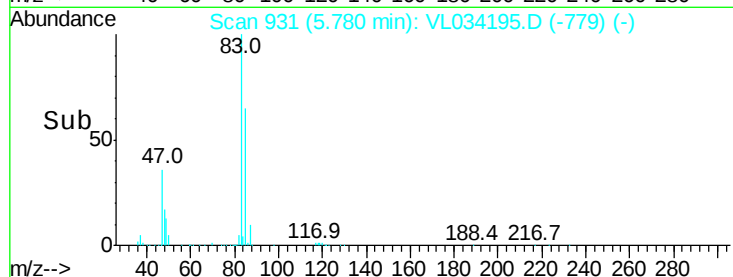
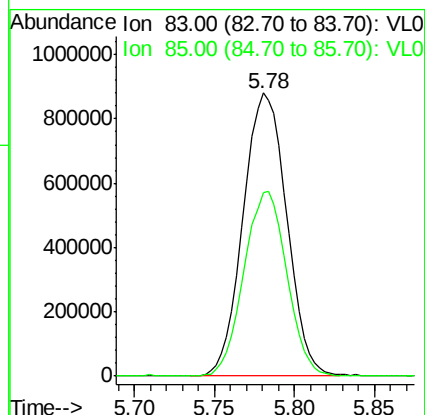
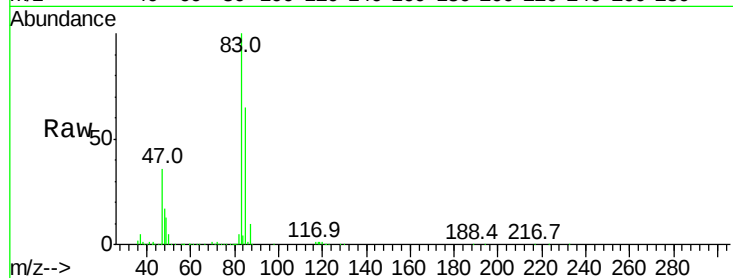
VSTDCCC010EC

Tgt Ion: 83 Resp: 1634945

Ion Ratio Lower Upper

83 100

85 64.7 52.3 78.5



#30

Cyclohexane

Concen: 9.248 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

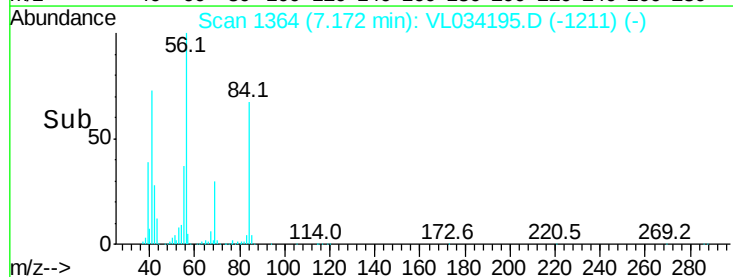
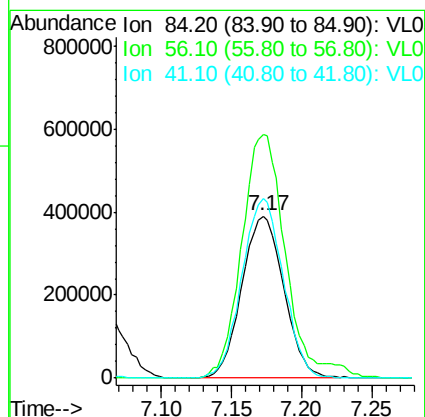
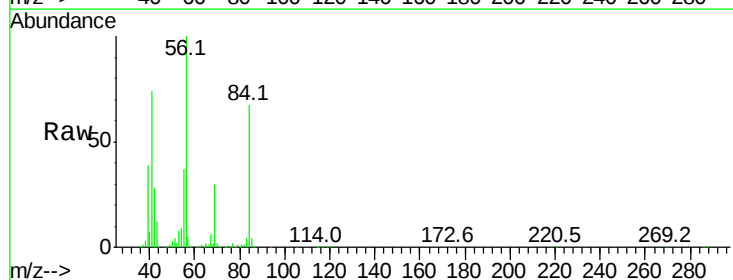
Tgt Ion: 84 Resp: 815839

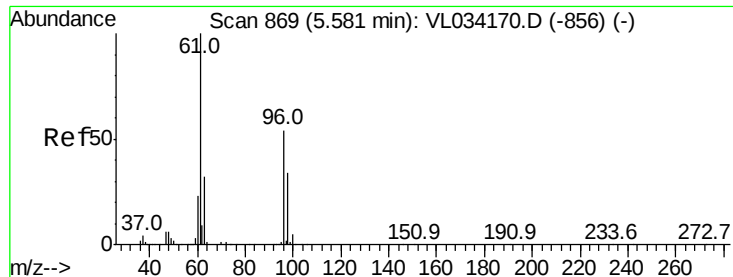
Ion Ratio Lower Upper

84 100

56 157.5 126.2 189.2

41 109.7 85.8 128.8



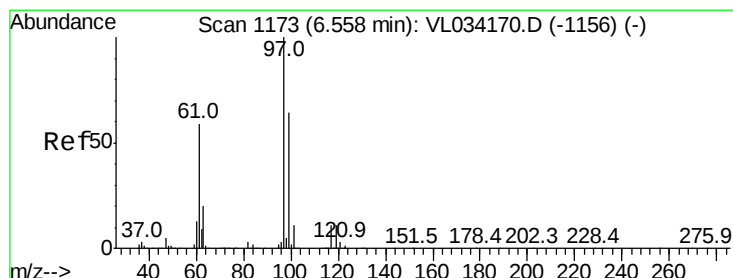
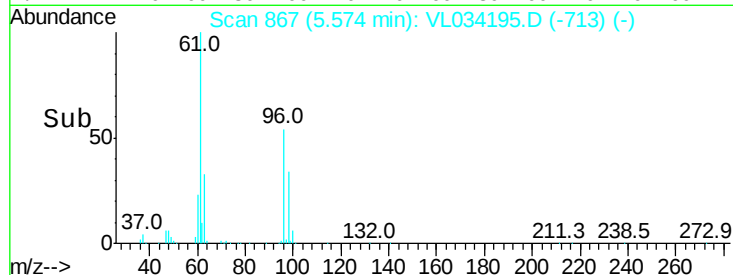
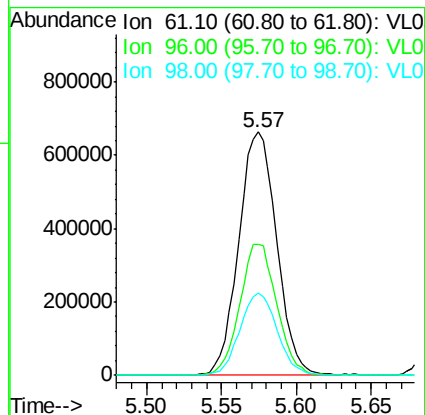
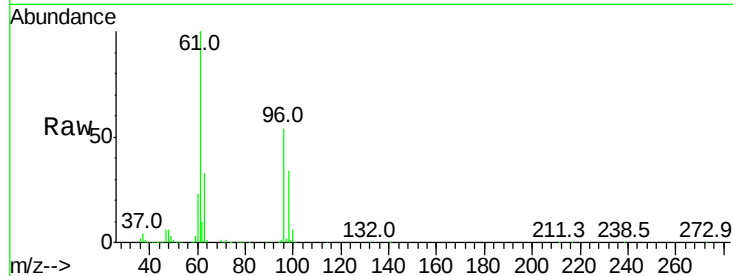


#31

cis-1,2-Dichloroethene
 Concen: 9.414 ppbv
 RT: 5.57 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VL034195.D
 Acq: 19 Sep 2019 10:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

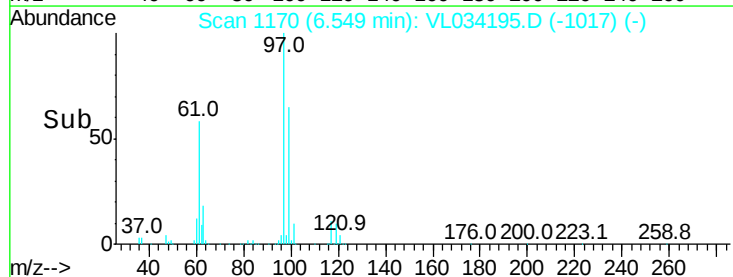
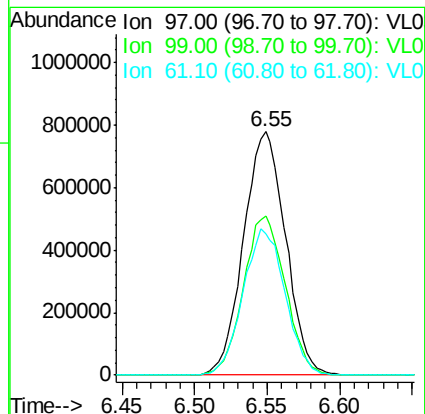
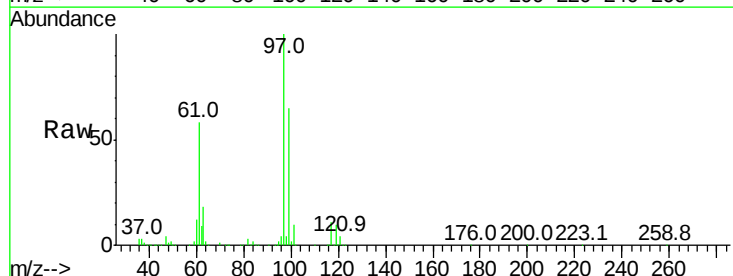
Tgt Ion: 61 Resp: 1172703
 Ion Ratio Lower Upper
 61 100
 96 53.6 43.0 64.4
 98 33.8 27.2 40.8

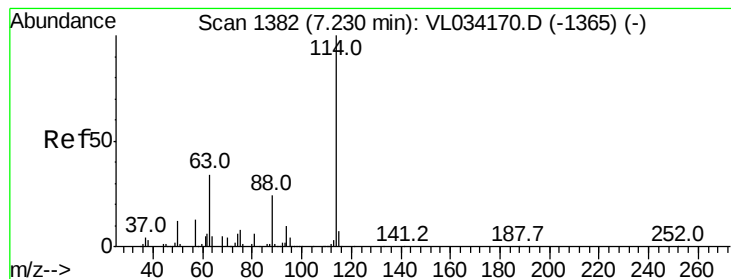


#32

1,1,1-Trichloroethane
 Concen: 9.314 ppbv
 RT: 6.55 min Scan# 1170
 Delta R.T. -0.01 min
 Lab File: VL034195.D
 Acq: 19 Sep 2019 10:34

Tgt Ion: 97 Resp: 1568555
 Ion Ratio Lower Upper
 97 100
 99 65.3 51.4 77.2
 61 60.3 48.4 72.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.22 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

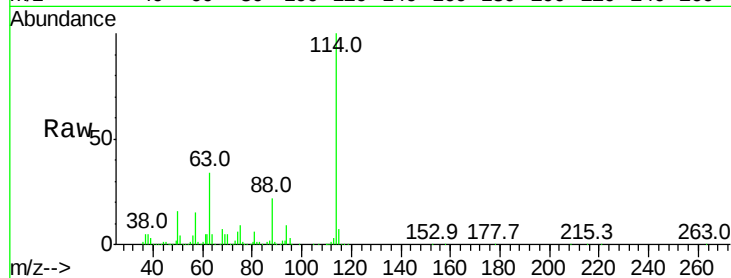
Tgt Ion:114 Resp: 1950494

Ion Ratio Lower Upper

114 100

63 34.9 27.8 41.6

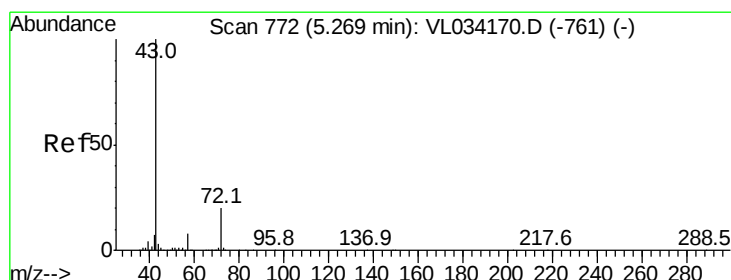
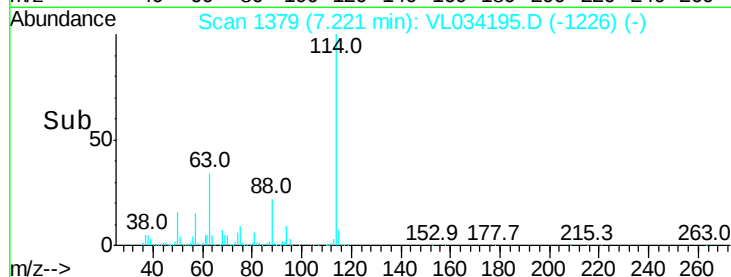
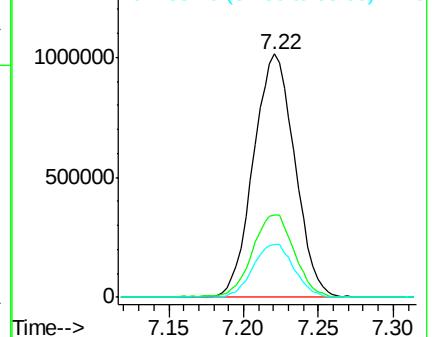
88 21.7 17.1 25.7



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: 9.113 ppbv

RT: 5.26 min Scan# 770

Delta R.T. -0.01 min

Lab File: VL034195.D

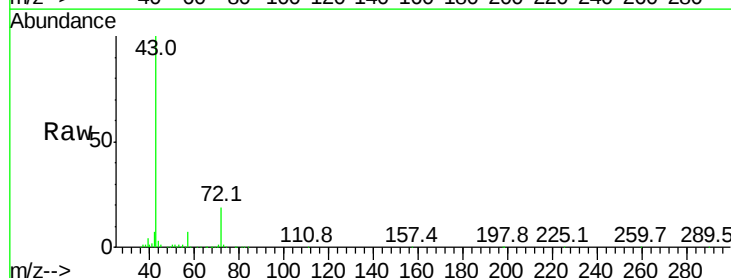
Acq: 19 Sep 2019 10:34

Tgt Ion: 43 Resp: 1814946

Ion Ratio Lower Upper

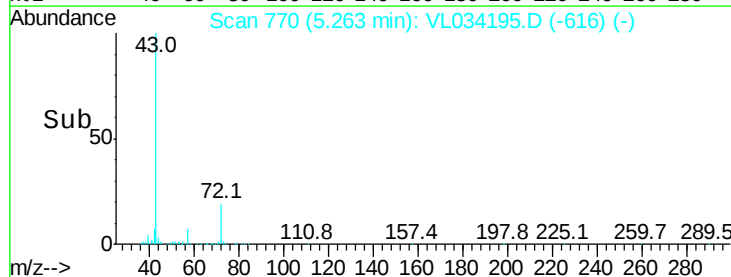
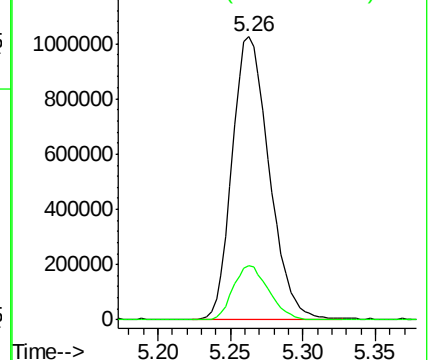
43 100

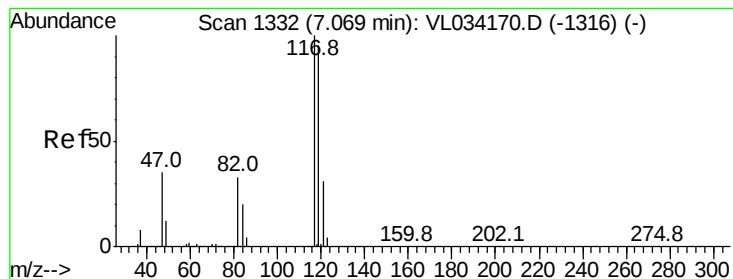
72 18.6 15.0 22.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.714 ppbv

RT: 7.06 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

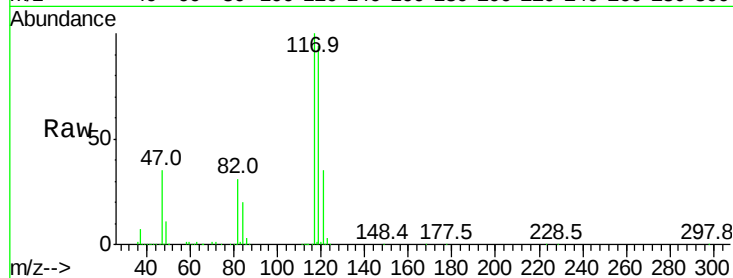
Tgt Ion:117 Resp: 1574131

Ion Ratio Lower Upper

117 100

119 93.9 75.8 113.6

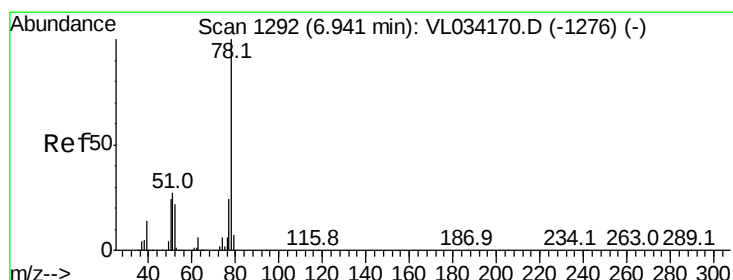
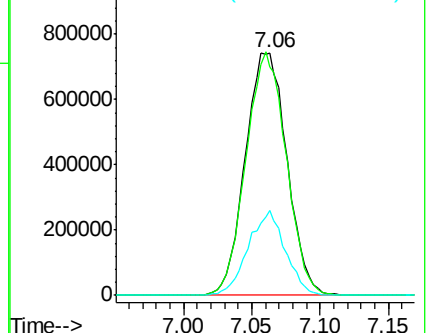
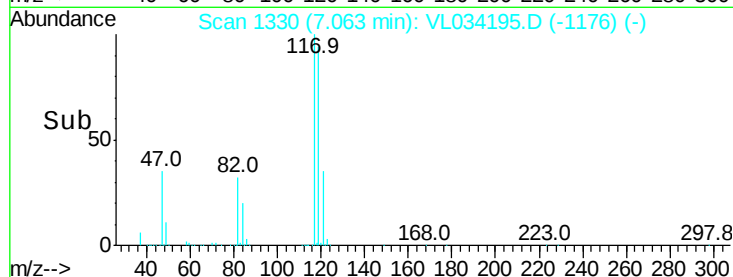
121 35.1 25.0 37.6



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: 9.172 ppbv

RT: 6.93 min Scan# 1290

Delta R.T. -0.01 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

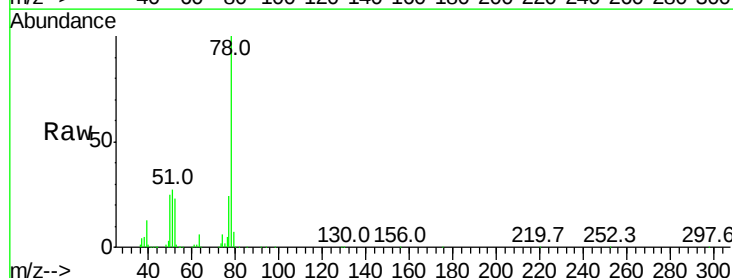
Tgt Ion: 78 Resp: 1975874

Ion Ratio Lower Upper

78 100

77 23.6 19.0 28.4

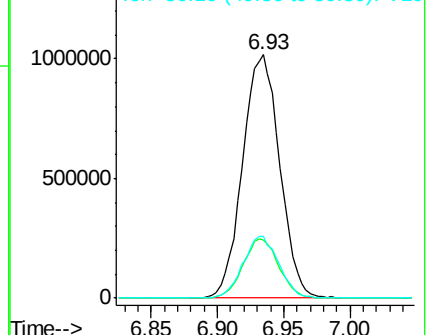
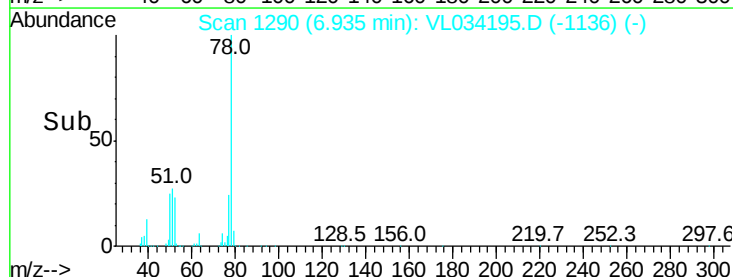
50 25.2 18.9 28.3

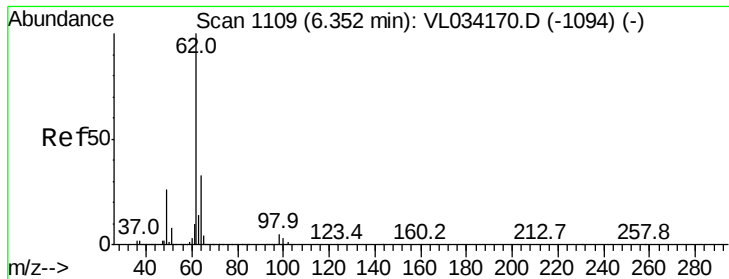


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

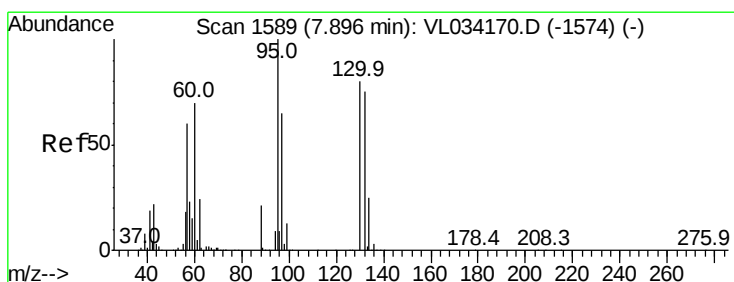
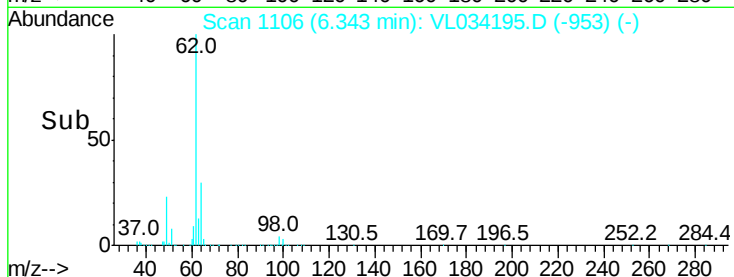
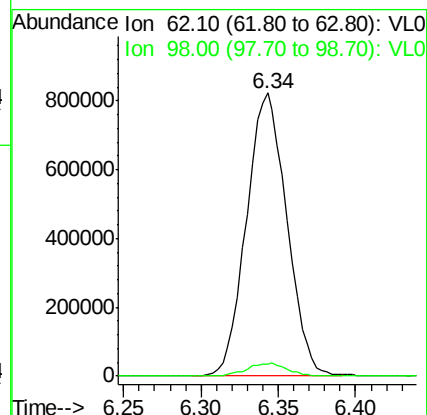
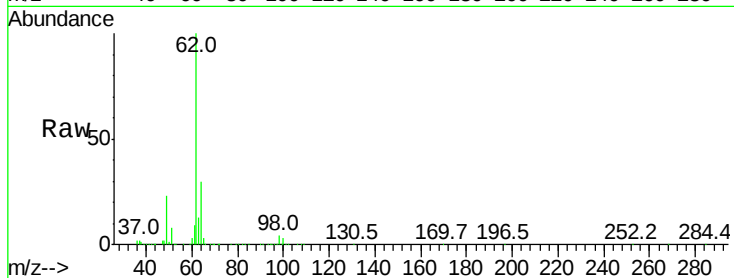




#37
1,2-Dichloroethane
Concen: 9.756 ppbv
RT: 6.34 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VL034195.D
Acq: 19 Sep 2019 10:34

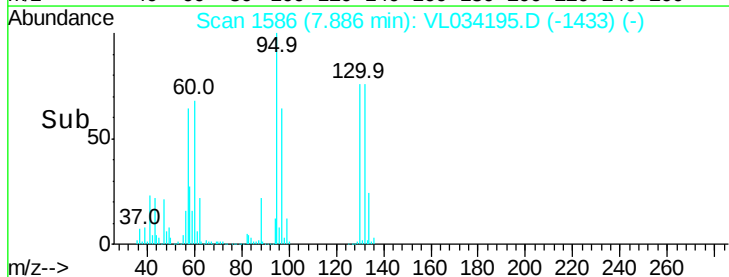
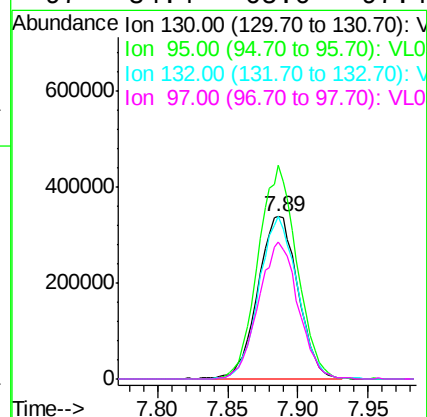
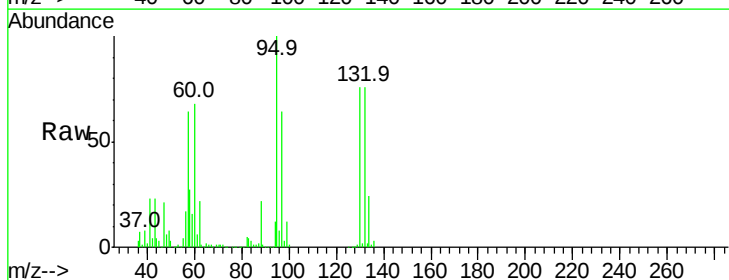
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

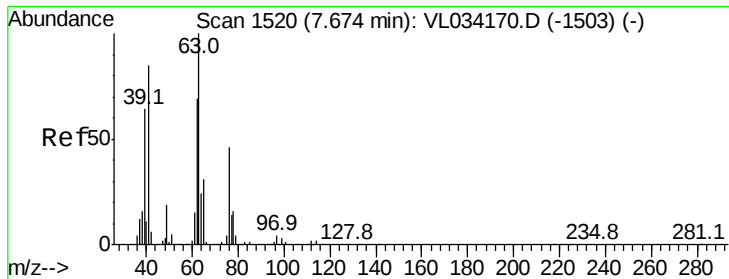
Tgt Ion: 62 Resp: 1494831
Ion Ratio Lower Upper
62 100
98 4.6 3.8 5.8



#38
Trichloroethene
Concen: 8.685 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. -0.01 min
Lab File: VL034195.D
Acq: 19 Sep 2019 10:34

Tgt Ion: 130 Resp: 668494
Ion Ratio Lower Upper
130 100
95 131.9 99.8 149.6
132 100.2 75.2 112.8
97 84.4 65.0 97.4





#39

1,2-Dichloropropane

Concen: 9.020 ppbv

RT: 7.66 min Scan# 1517

Delta R.T. -0.01 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

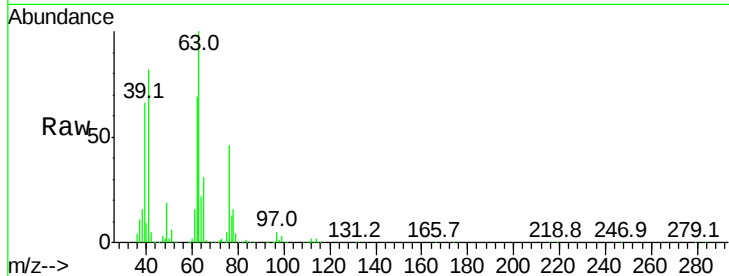
Tgt Ion: 63 Resp: 873077

Ion Ratio Lower Upper

63 100

41 82.3 68.4 102.6

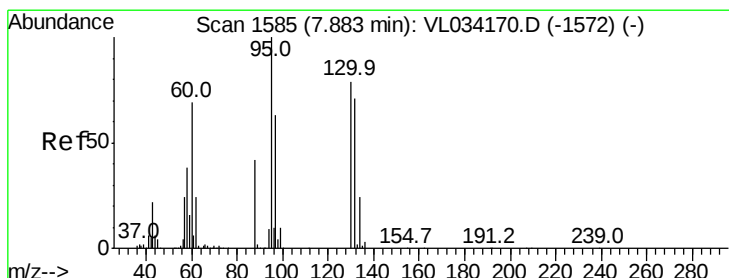
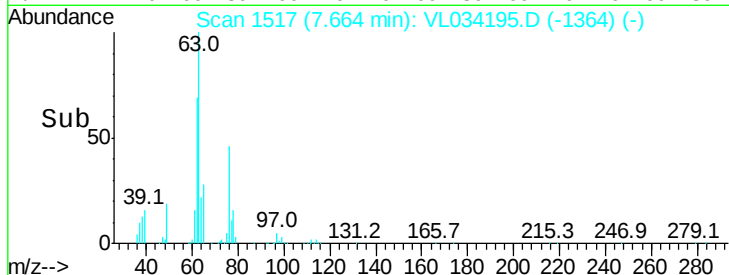
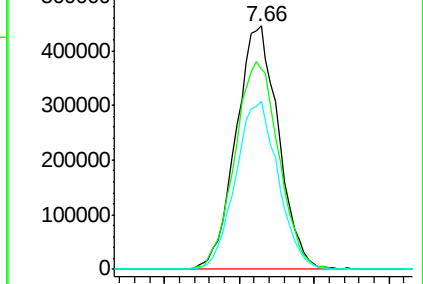
62 68.8 55.4 83.2



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: 9.304 ppbv

RT: 7.88 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

Tgt Ion: 88 Resp: 291423

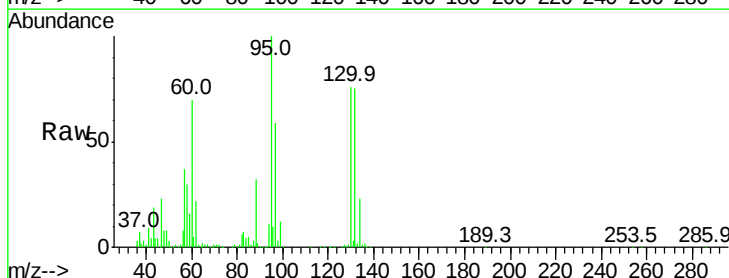
Ion Ratio Lower Upper

88 100

58 156.6 131.8 197.6

43 338.6 0.0 0.0#

57 1280.9 0.0 0.0#

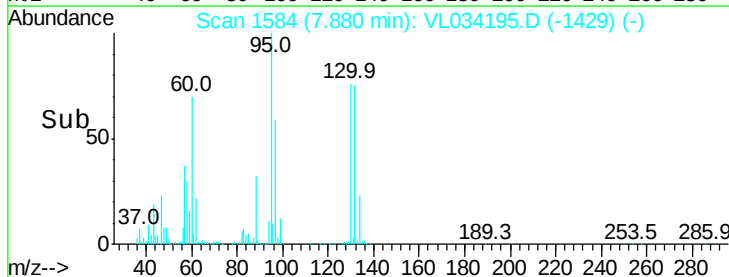
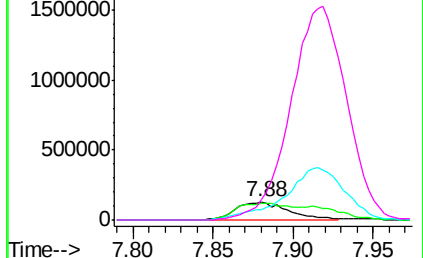


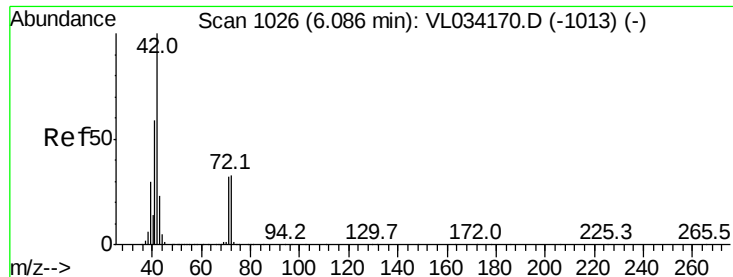
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 9.538 ppbv

RT: 6.08 min Scan# 1023

Delta R.T. -0.01 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

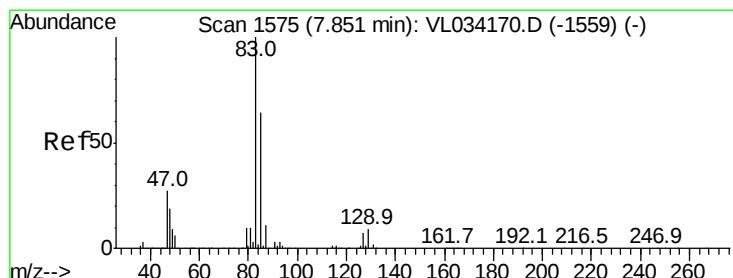
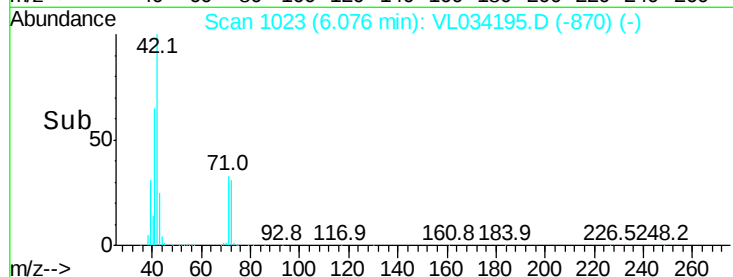
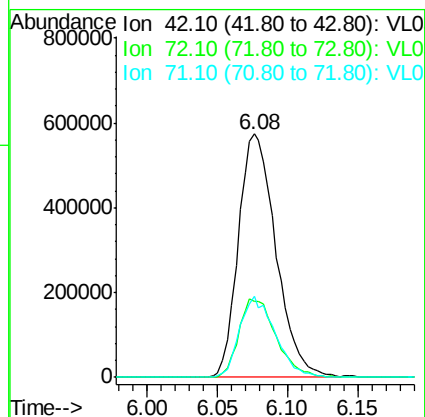
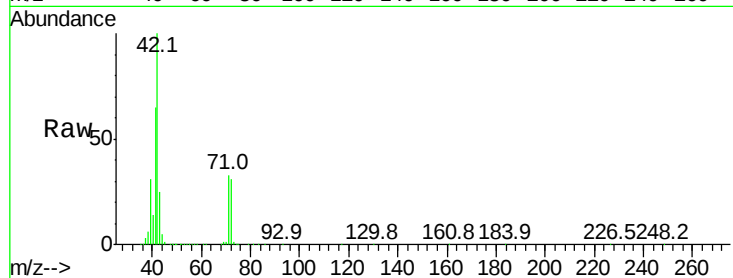
Tgt Ion: 42 Resp: 1069814

Ion Ratio Lower Upper

42 100

72 32.2 26.6 40.0

71 31.7 25.1 37.7



#42

Bromodichloromethane

Concen: 9.845 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. -0.01 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

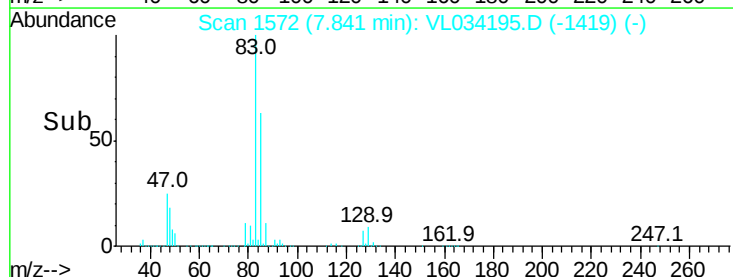
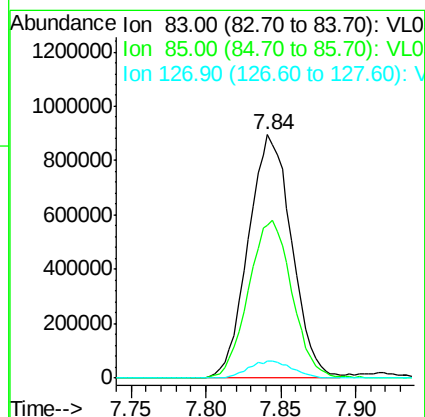
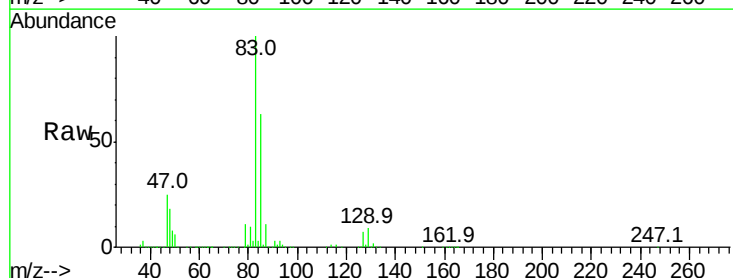
Tgt Ion: 83 Resp: 1810269

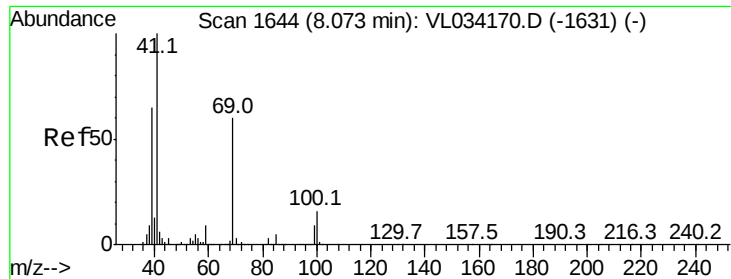
Ion Ratio Lower Upper

83 100

85 62.8 51.4 77.0

127 6.8 5.5 8.3

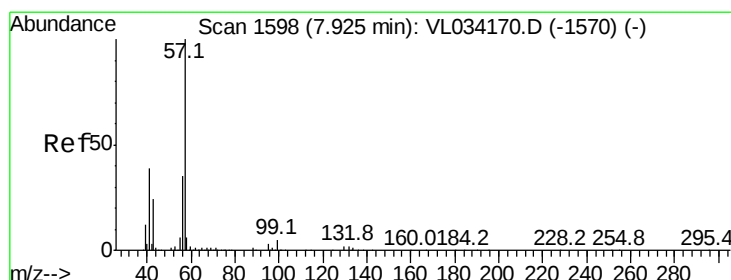
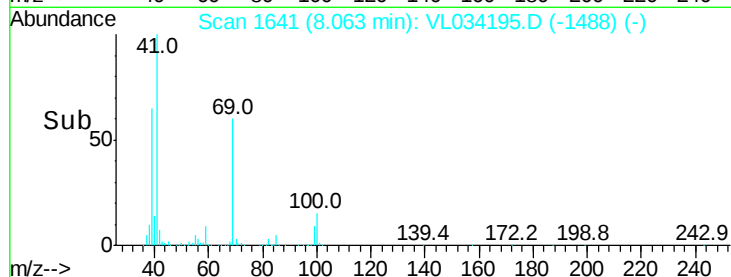
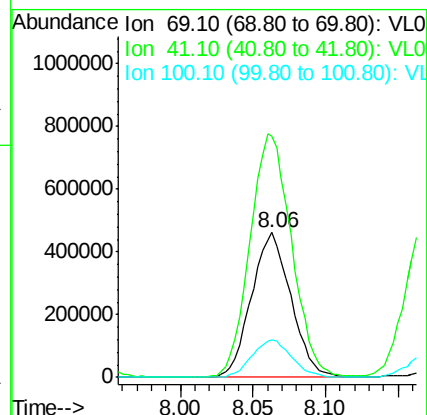
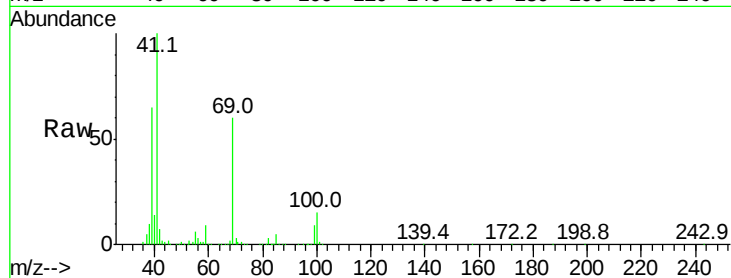




#43
Methyl Methacrylate
Concen: 9.864 ppbv
RT: 8.06 min Scan# 1641
Delta R.T. -0.01 min
Lab File: VL034195.D
Acq: 19 Sep 2019 10:34

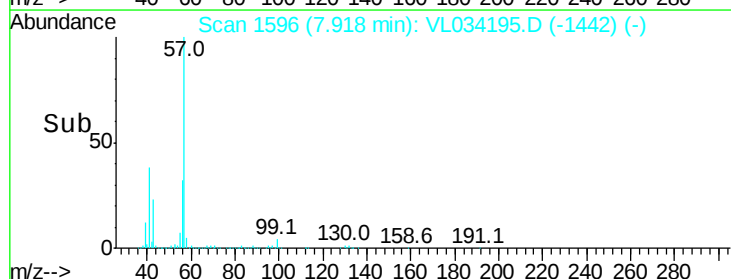
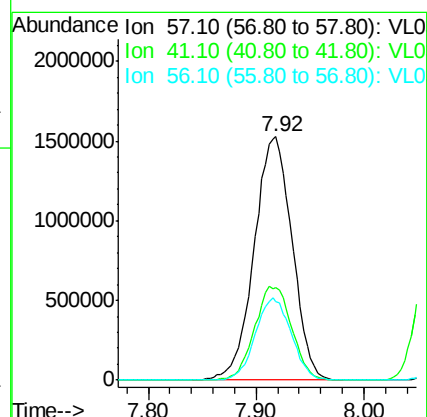
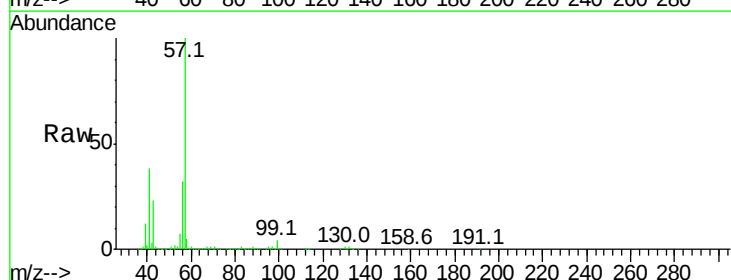
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

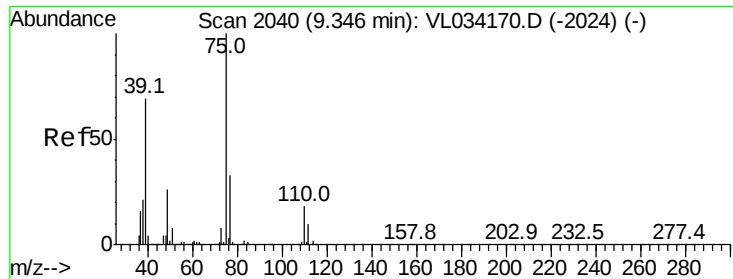
Tgt Ion: 69 Resp: 877794
Ion Ratio Lower Upper
69 100
41 176.7 140.4 210.6
100 26.3 21.9 32.9



#44
2,2,4-Trimethylpentane
Concen: 8.986 ppbv
RT: 7.92 min Scan# 1596
Delta R.T. -0.01 min
Lab File: VL034195.D
Acq: 19 Sep 2019 10:34

Tgt Ion: 57 Resp: 3726606
Ion Ratio Lower Upper
57 100
41 37.6 29.8 44.6
56 31.9 25.9 38.9





#45

t-1,3-Dichloropropene

Concen: 10.913 ppbv

RT: 9.34 min Scan# 2038

Delta R.T. -0.01 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

Instrument :

MSVOA_L

ClientSampleId :

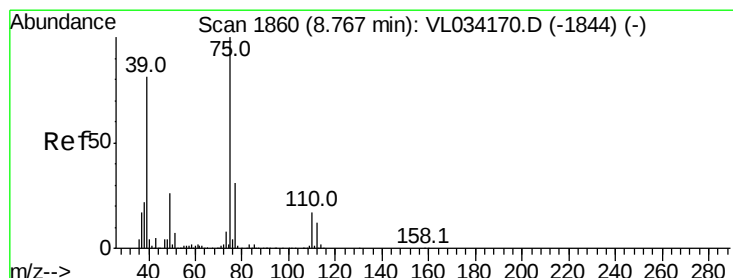
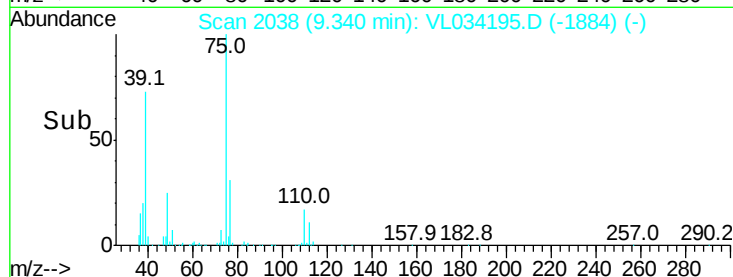
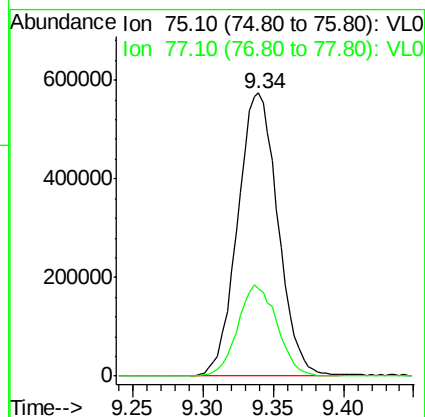
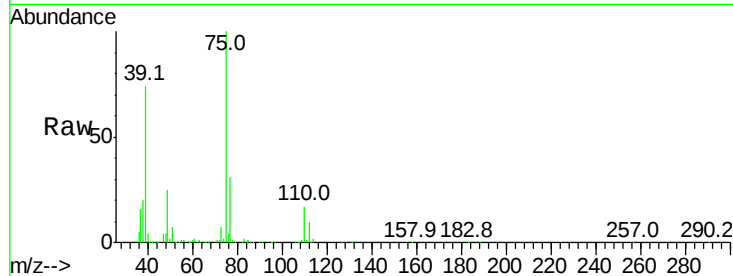
VSTDCCC010EC

Tgt Ion: 75 Resp: 1148237

Ion Ratio Lower Upper

75 100

77 30.9 26.2 39.2



#46

cis-1,3-Dichloropropene

Concen: 10.238 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. -0.01 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

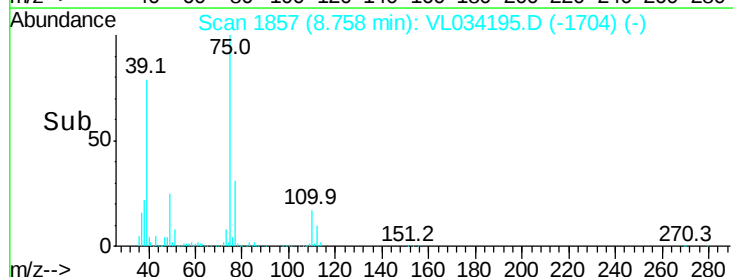
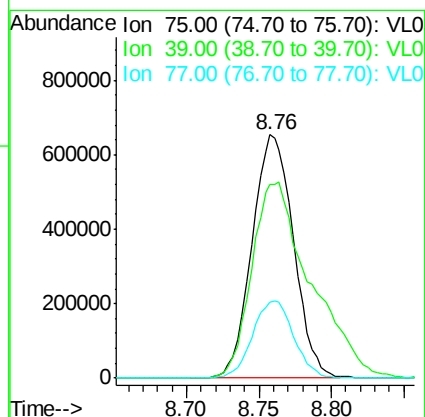
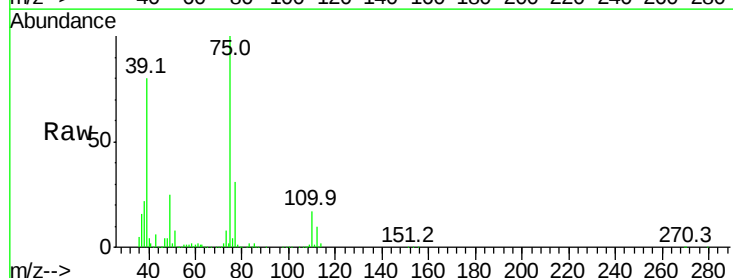
Tgt Ion: 75 Resp: 1295769

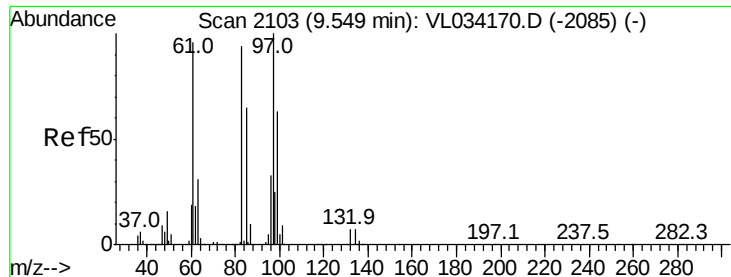
Ion Ratio Lower Upper

75 100

39 79.6 65.0 97.4

77 31.2 24.5 36.7

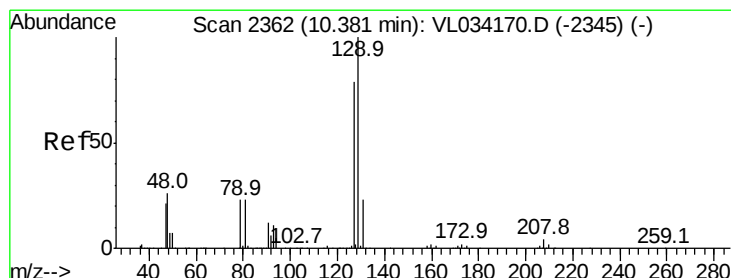
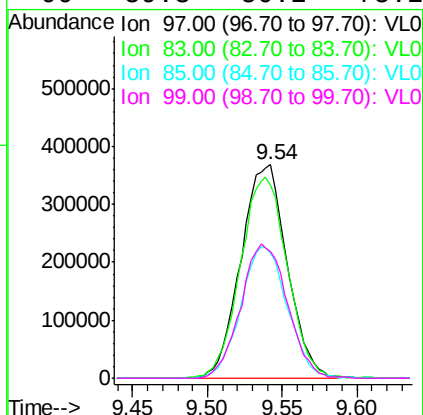
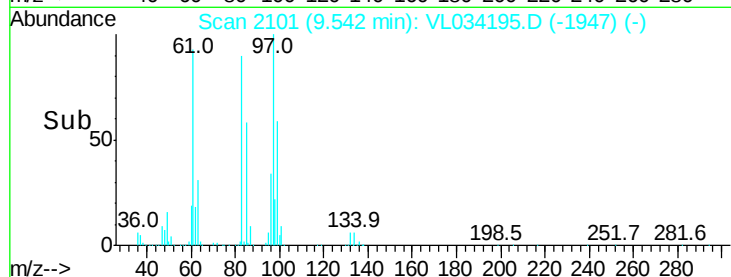
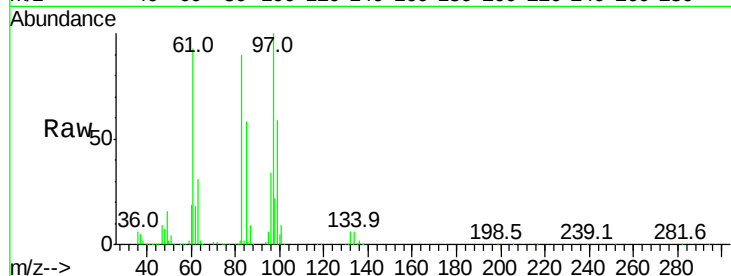




#47
 1,1,2-Trichloroethane
 Concen: 9.092 ppbv
 RT: 9.54 min Scan# 2101
 Delta R.T. -0.01 min
 Lab File: VL034195.D
 Acq: 19 Sep 2019 10:34

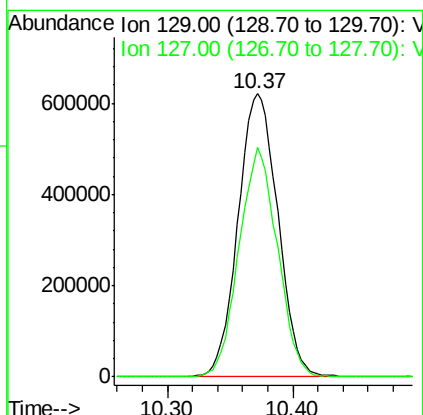
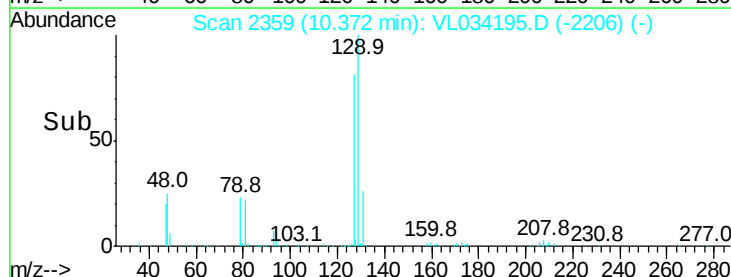
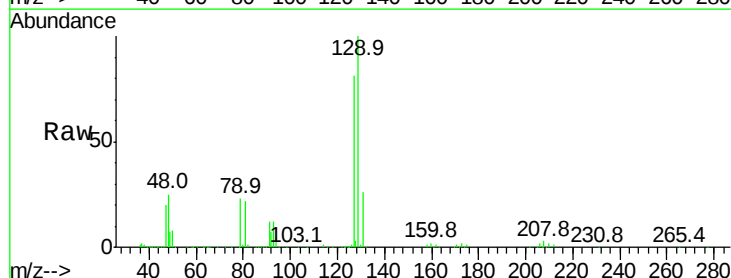
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

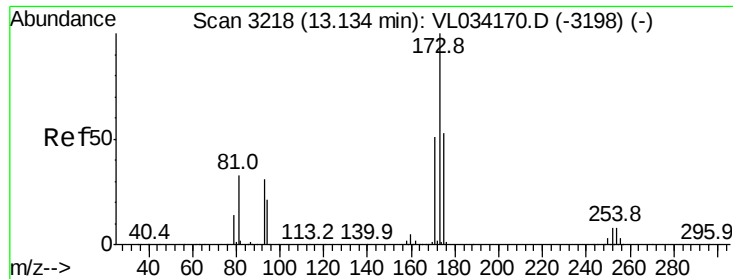
Tgt Ion: 97 Resp: 790242
 Ion Ratio Lower Upper
 97 100
 83 90.2 75.3 112.9
 85 58.4 52.1 78.1
 99 59.3 50.2 75.2



#48
 Dibromochloromethane
 Concen: 9.920 ppbv
 RT: 10.37 min Scan# 2359
 Delta R.T. -0.01 min
 Lab File: VL034195.D
 Acq: 19 Sep 2019 10:34

Tgt Ion: 129 Resp: 1366474
 Ion Ratio Lower Upper
 129 100
 127 78.4 39.2 117.6





#49

Bromoform

Concen: 9.949 ppbv

RT: 13.12 min Scan# 3213

Delta R.T. -0.02 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

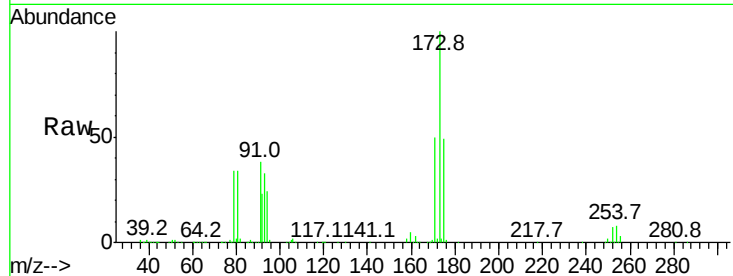
Tgt Ion:173 Resp: 1109076

Ion Ratio Lower Upper

173 100

175 50.1 40.3 60.5

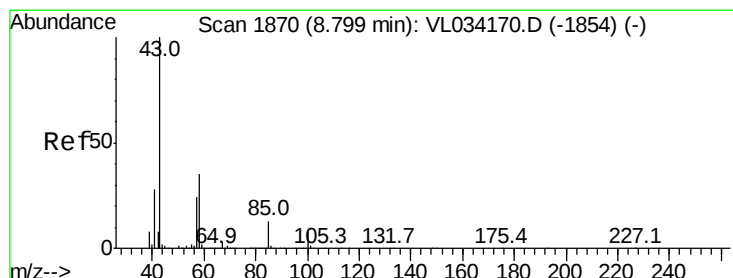
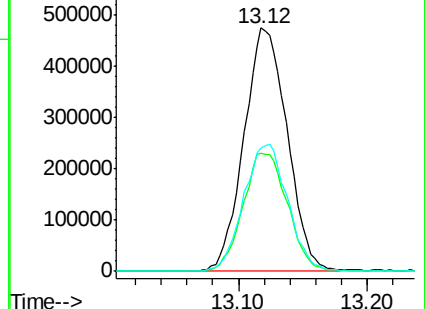
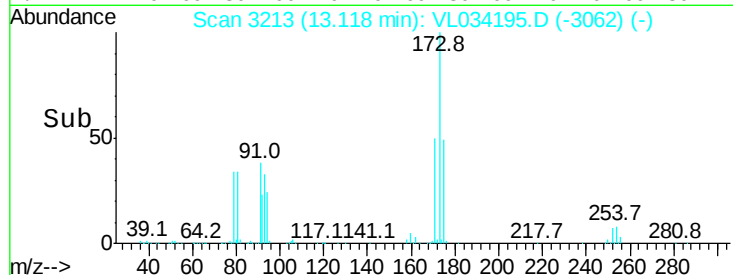
171 53.2 42.0 63.0



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: 9.194 ppbv

RT: 8.79 min Scan# 1867

Delta R.T. -0.01 min

Lab File: VL034195.D

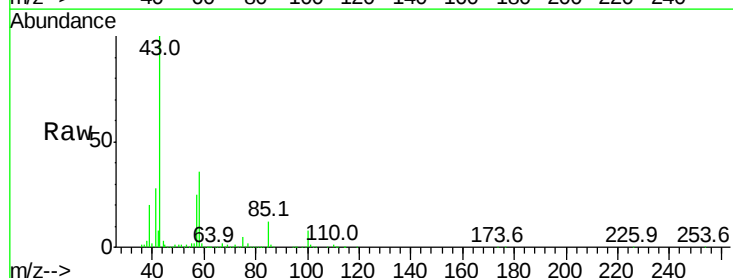
Acq: 19 Sep 2019 10:34

Tgt Ion: 43 Resp: 2664827

Ion Ratio Lower Upper

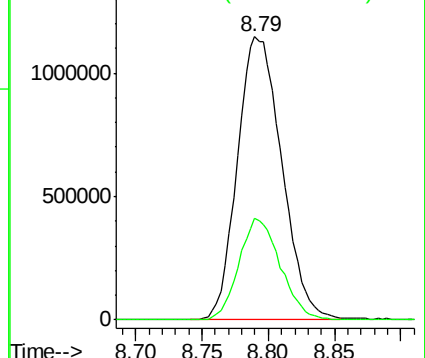
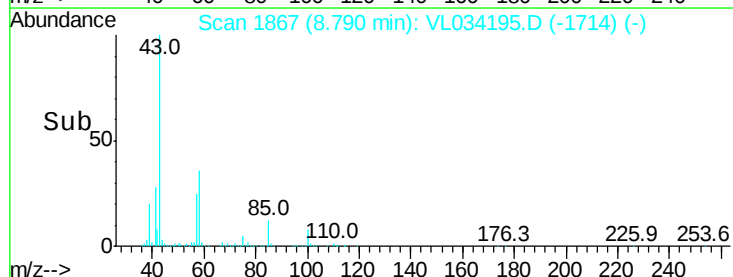
43 100

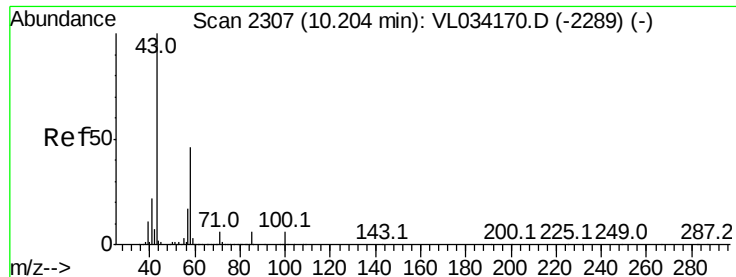
58 33.7 27.6 41.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

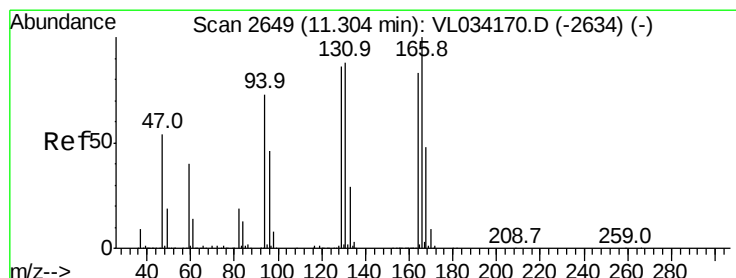
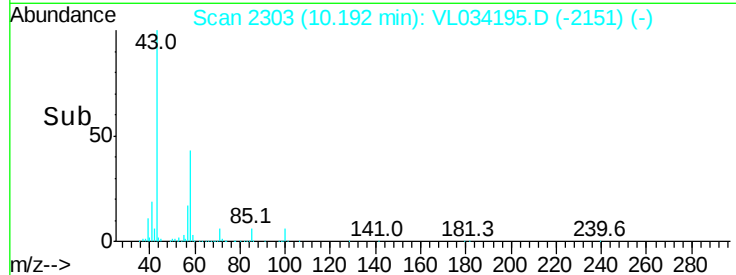
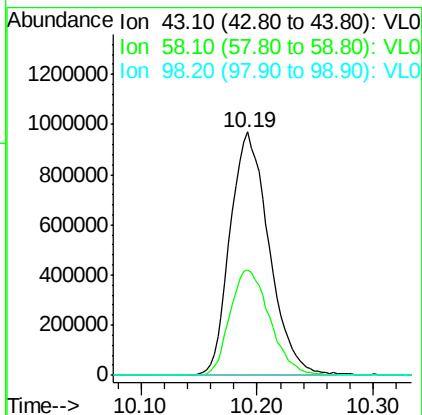
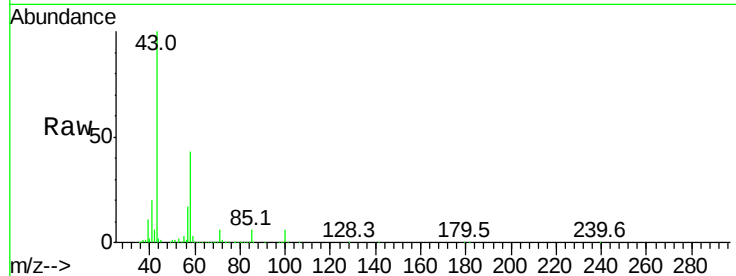




#51
 2-Hexanone
 Concen: 9.286 ppbv
 RT: 10.19 min Scan# 2303
 Delta R.T. -0.01 min
 Lab File: VL034195.D
 Acq: 19 Sep 2019 10:34

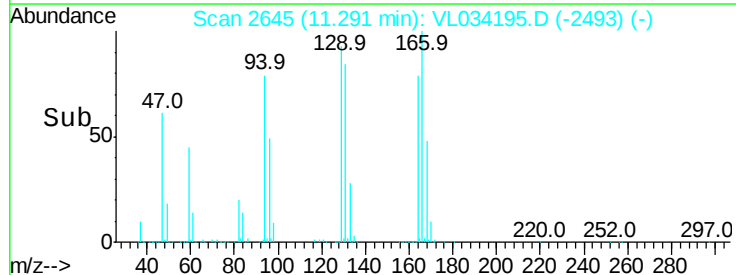
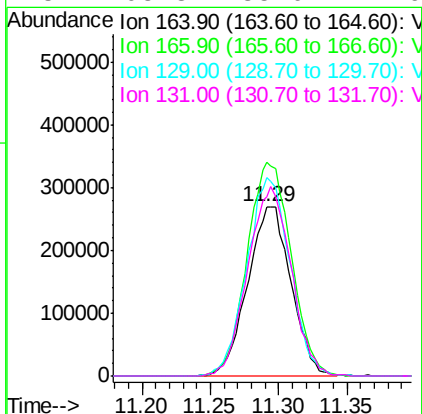
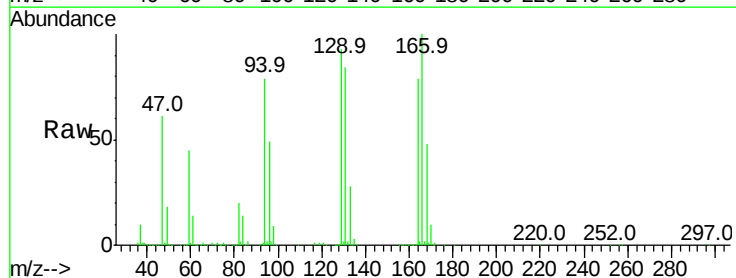
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

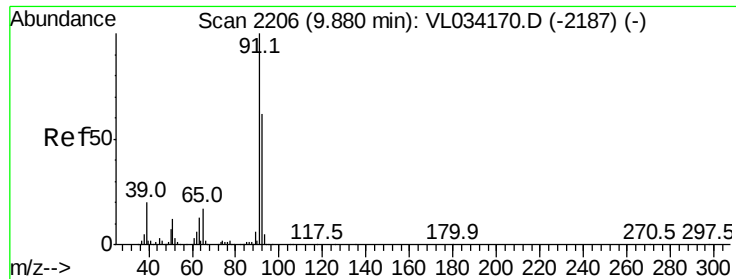
Tgt Ion: 43 Resp: 2258819
 Ion Ratio Lower Upper
 43 100
 58 44.4 36.2 54.4
 98 0.1 0.2 0.2#



#52
 Tetrachloroethene
 Concen: 8.359 ppbv
 RT: 11.29 min Scan# 2645
 Delta R.T. -0.01 min
 Lab File: VL034195.D
 Acq: 19 Sep 2019 10:34

Tgt Ion: 164 Resp: 594931
 Ion Ratio Lower Upper
 164 100
 166 126.0 96.7 145.1
 129 116.7 82.8 124.2
 131 105.8 85.0 127.6





#53

Toluene

Concen: 9.241 ppbv

RT: 9.87 min Scan# 2202

Delta R.T. -0.01 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

Instrument :

MSVOA_L

ClientSampleId :

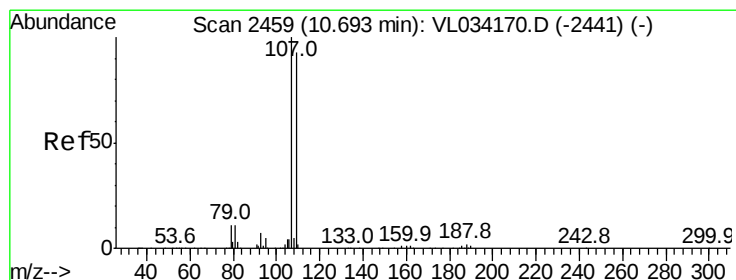
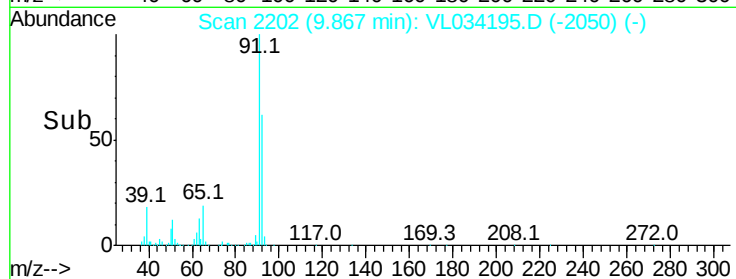
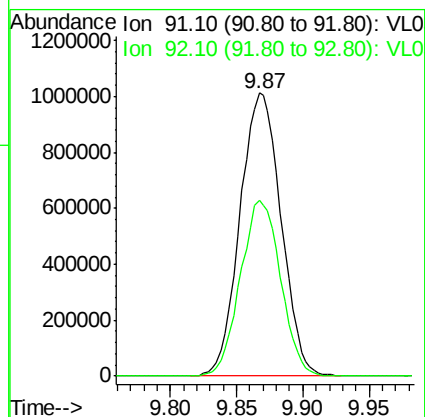
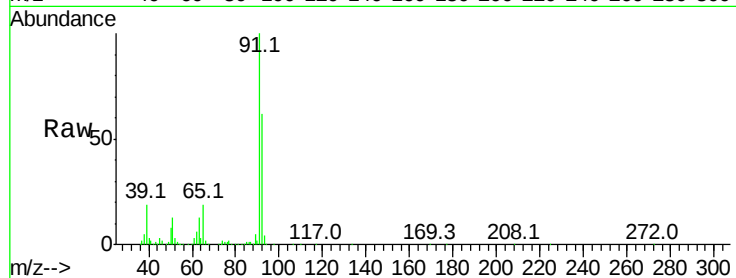
VSTDCCC010EC

Tgt Ion: 91 Resp: 2175744

Ion Ratio Lower Upper

91 100

92 61.0 49.0 73.6



#54

1,2-Dibromoethane

Concen: 9.184 ppbv

RT: 10.68 min Scan# 2454

Delta R.T. -0.02 min

Lab File: VL034195.D

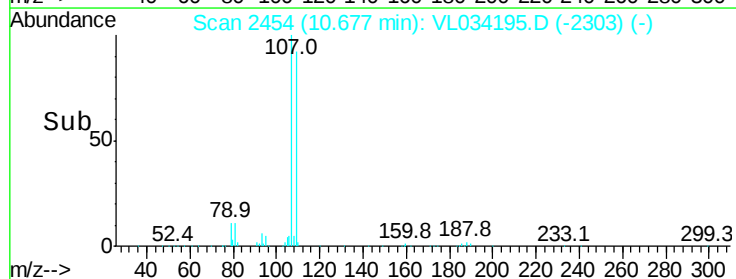
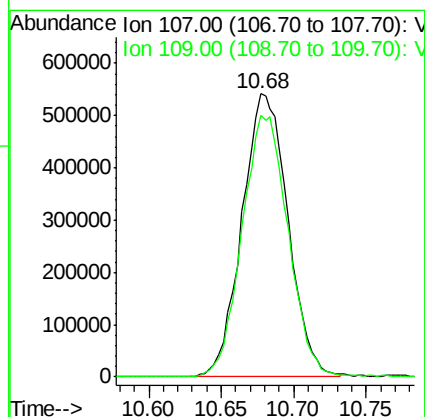
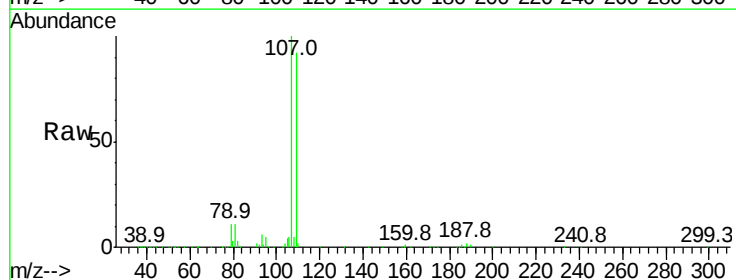
Acq: 19 Sep 2019 10:34

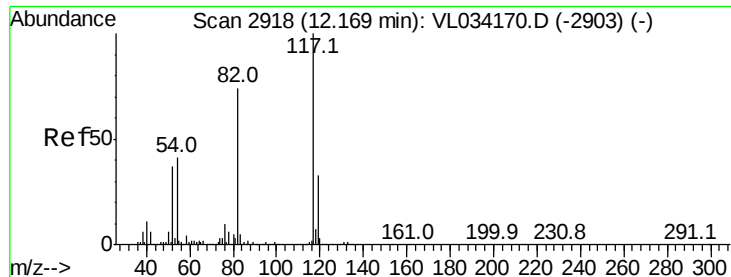
Tgt Ion: 107 Resp: 1187043

Ion Ratio Lower Upper

107 100

109 92.2 74.5 111.7

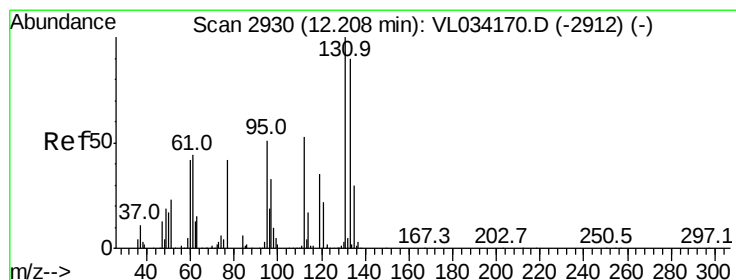
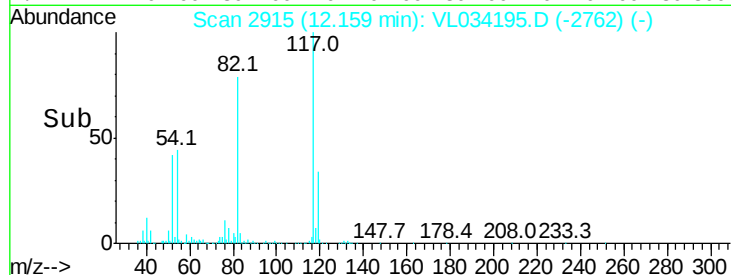
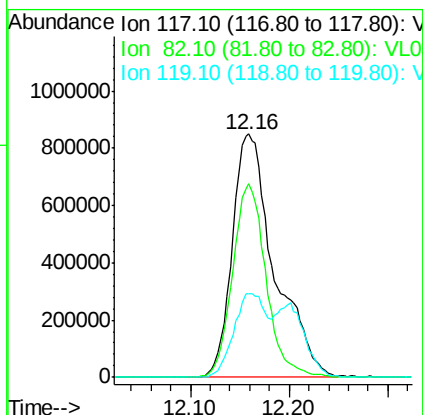
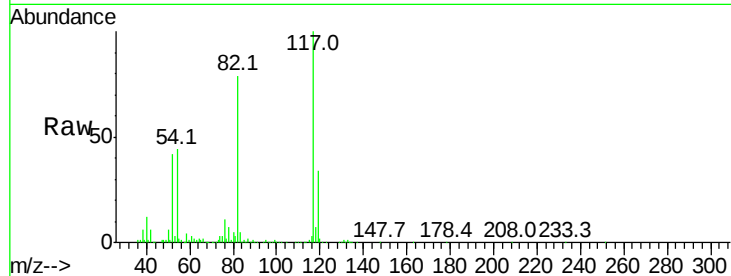




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. -0.01 min
Lab File: VL034195.D
Acq: 19 Sep 2019 10:34

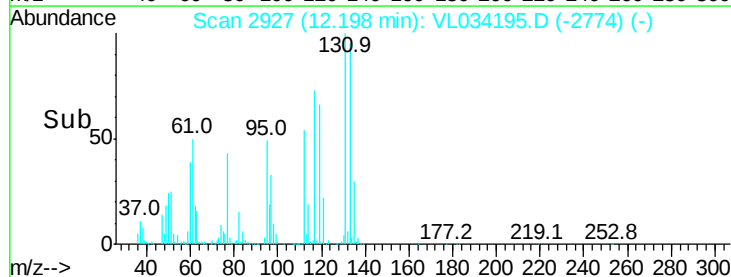
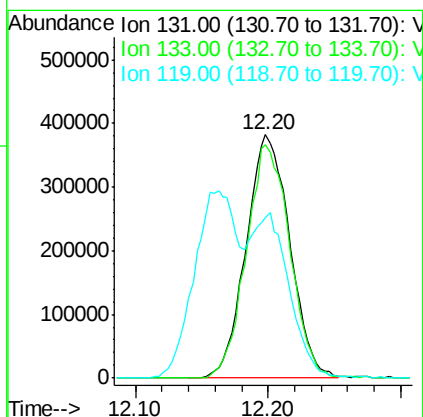
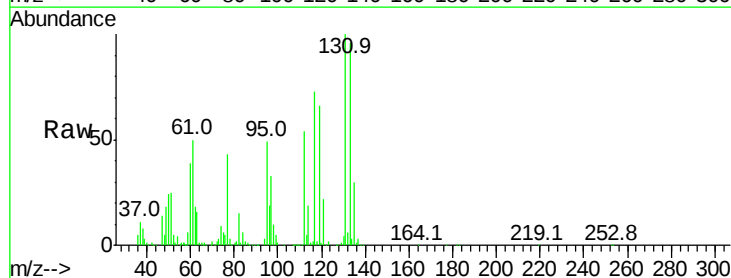
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

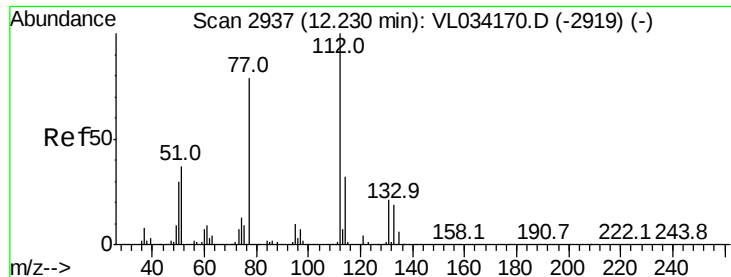
Tgt Ion:117 Resp: 2528626
Ion Ratio Lower Upper
117 100
82 63.1 58.2 87.4
119 48.0 23.7 35.5#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.761 ppbv
RT: 12.20 min Scan# 2927
Delta R.T. -0.01 min
Lab File: VL034195.D
Acq: 19 Sep 2019 10:34

Tgt Ion:131 Resp: 875229
Ion Ratio Lower Upper
131 100
133 96.0 75.1 112.7
119 60.0 47.4 71.0

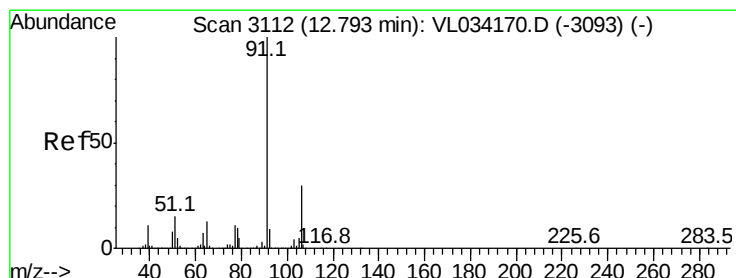
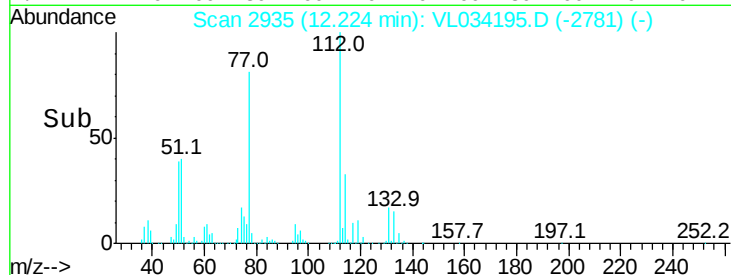
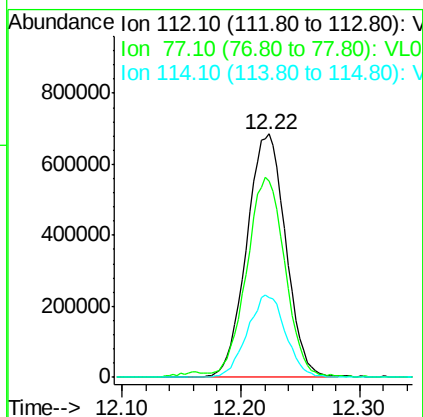
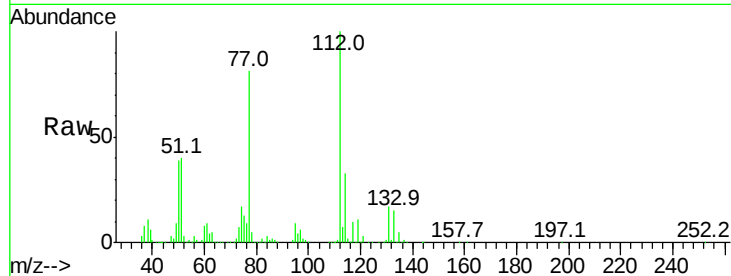




#57
Chlorobenzene
Concen: 7.070 ppbv
RT: 12.22 min Scan# 2935
Delta R.T. -0.01 min
Lab File: VL034195.D
Acq: 19 Sep 2019 10:34

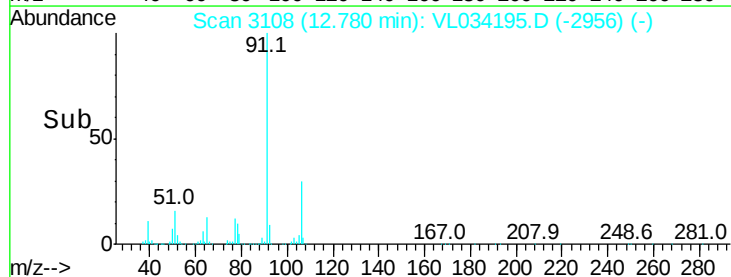
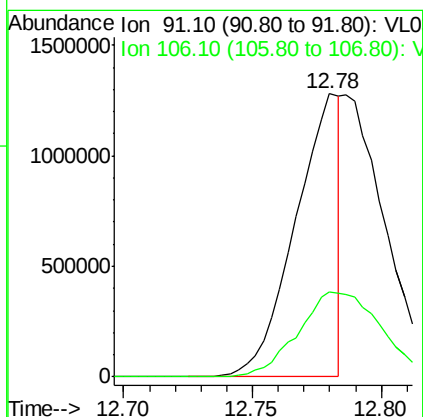
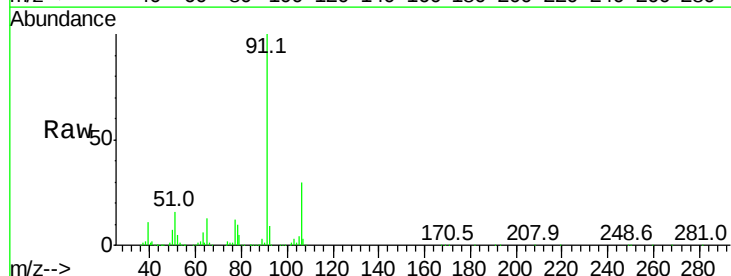
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

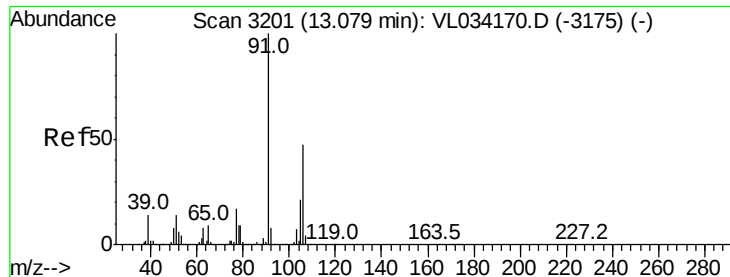
Tgt Ion: 112 Resp: 1556506
Ion Ratio Lower Upper
112 100
77 80.2 64.3 96.5
114 32.4 28.9 35.3



#58
Ethyl Benzene
Concen: 3.761 ppbv
RT: 12.78 min Scan# 3108
Delta R.T. -0.01 min
Lab File: VL034195.D
Acq: 19 Sep 2019 10:34

Tgt Ion: 91 Resp: 1534479
Ion Ratio Lower Upper
91 100
106 29.9 24.2 36.4

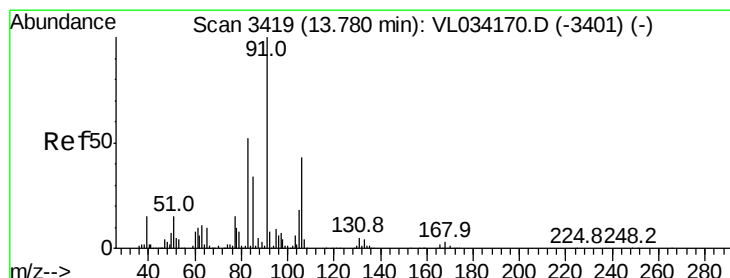
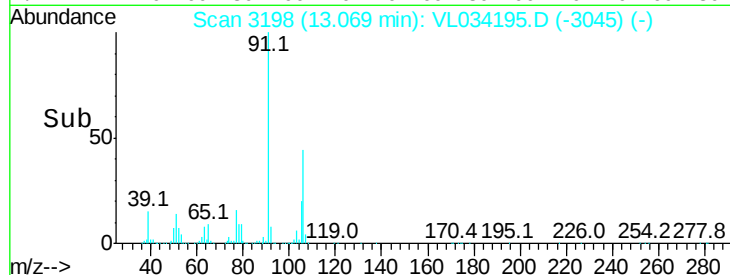
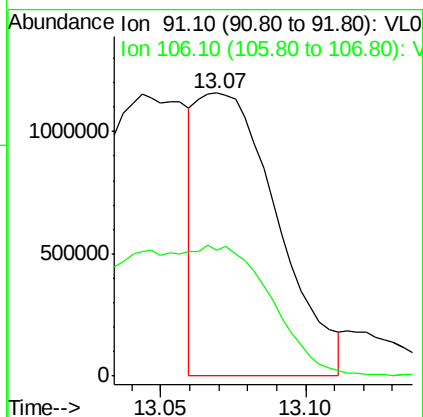
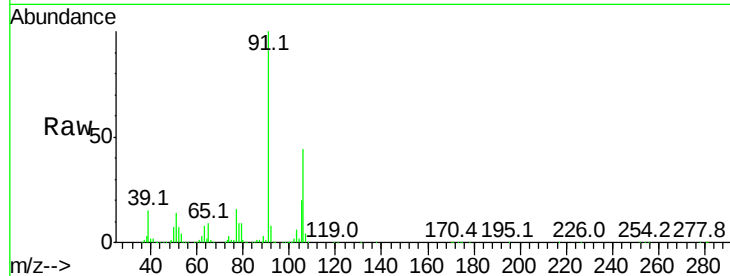




#59
m/p-Xylene
Concen: 6.577 ppbv
RT: 13.07 min Scan# 3198
Delta R.T. -0.01 min
Lab File: VL034195.D
Acq: 19 Sep 2019 10:34

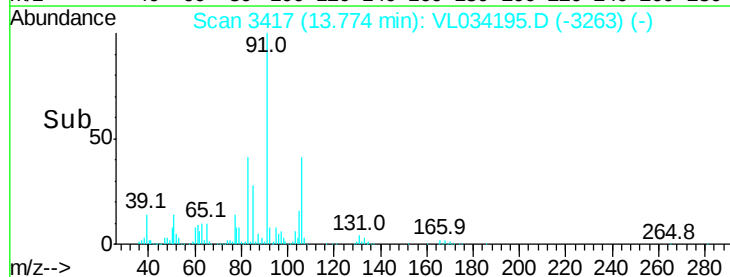
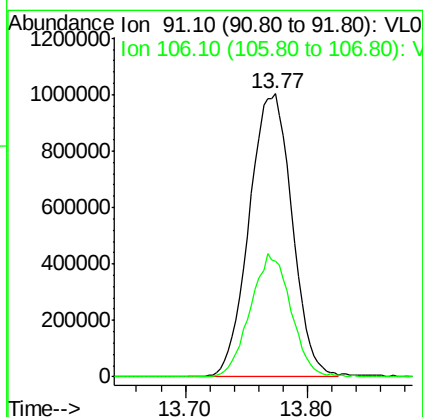
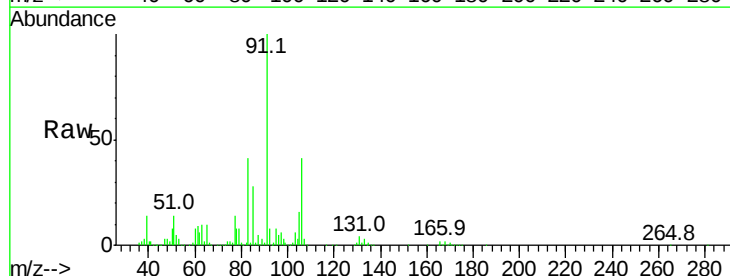
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

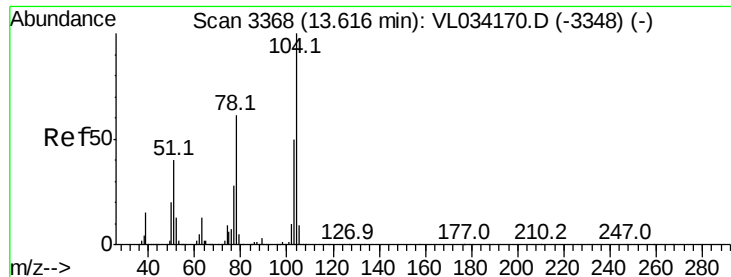
Tgt Ion: 91 Resp: 2222461
Ion Ratio Lower Upper
91 100
106 95.9 35.5 53.3#



#60
o-Xylene
Concen: 7.216 ppbv
RT: 13.77 min Scan# 3417
Delta R.T. -0.01 min
Lab File: VL034195.D
Acq: 19 Sep 2019 10:34

Tgt Ion: 91 Resp: 2438480
Ion Ratio Lower Upper
91 100
106 41.4 21.2 63.6





#61

Styrene

Concen: 7.407 ppbv

RT: 13.61 min Scan# 3365

Delta R.T. -0.01 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

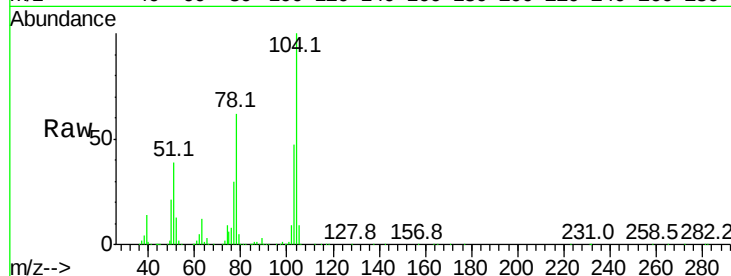
Tgt Ion:104 Resp: 1792933

Ion Ratio Lower Upper

104 100

78 62.6 49.7 74.5

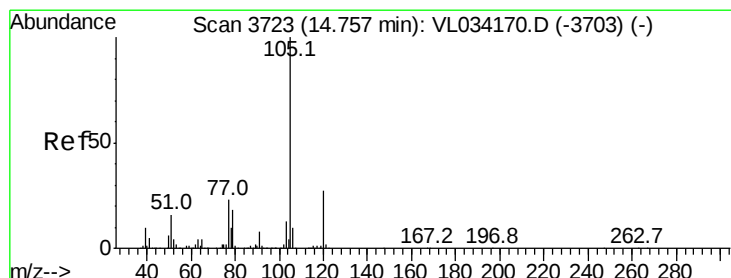
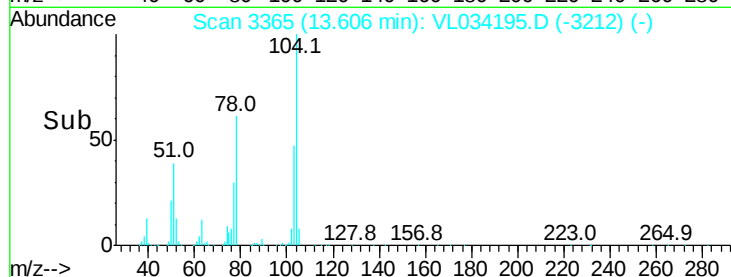
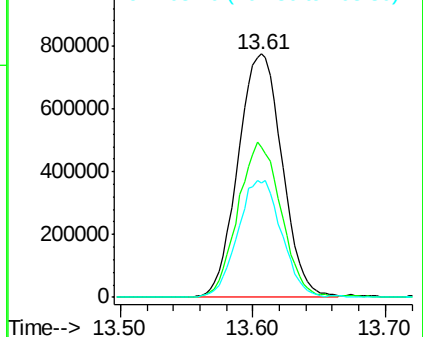
103 48.3 38.4 57.6



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: 7.244 ppbv

RT: 14.75 min Scan# 3720

Delta R.T. -0.01 min

Lab File: VL034195.D

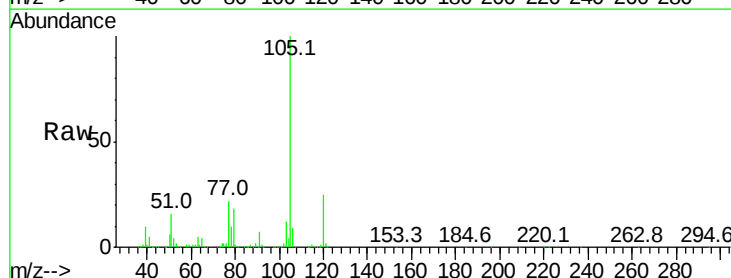
Acq: 19 Sep 2019 10:34

Tgt Ion:105 Resp: 3168624

Ion Ratio Lower Upper

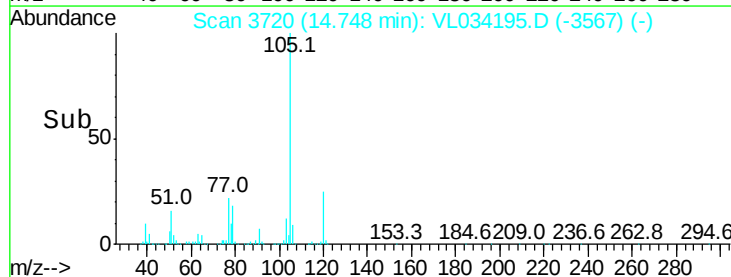
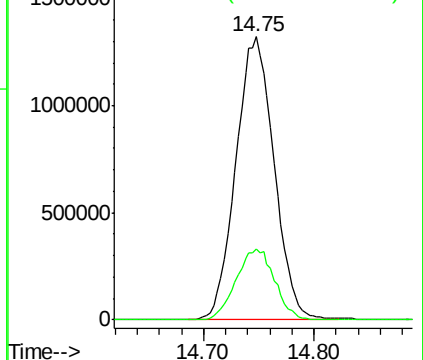
105 100

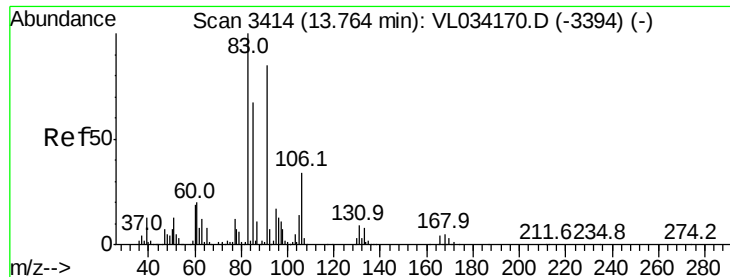
120 25.4 20.7 31.1



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: 6.410 ppbv

RT: 13.76 min Scan# 3412

Delta R.T. -0.01 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

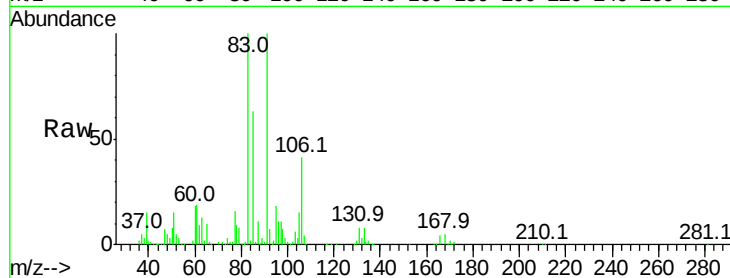
Tgt Ion: 83 Resp: 1776068

Ion Ratio Lower Upper

83 100

131 8.1 4.3 12.8

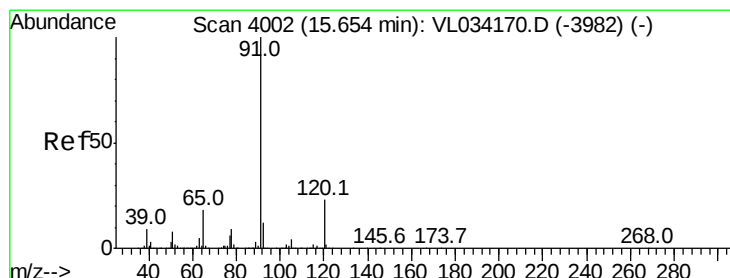
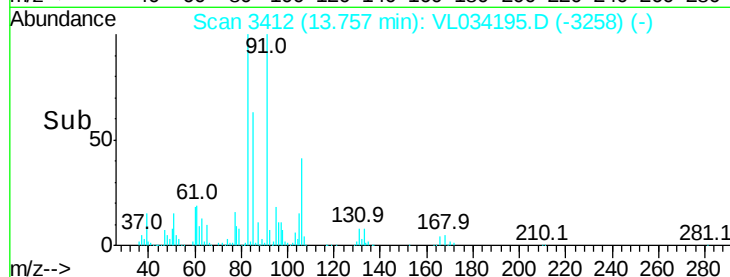
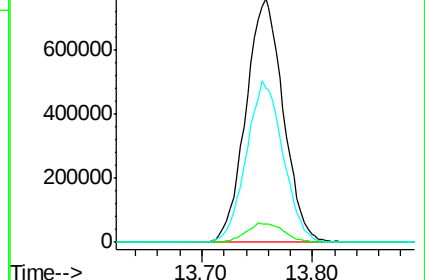
85 65.4 32.8 98.4



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: 7.335 ppbv

RT: 15.64 min Scan# 3998

Delta R.T. -0.01 min

Lab File: VL034195.D

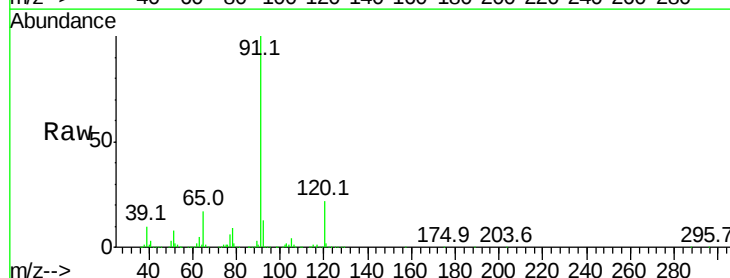
Acq: 19 Sep 2019 10:34

Tgt Ion: 120 Resp: 811796

Ion Ratio Lower Upper

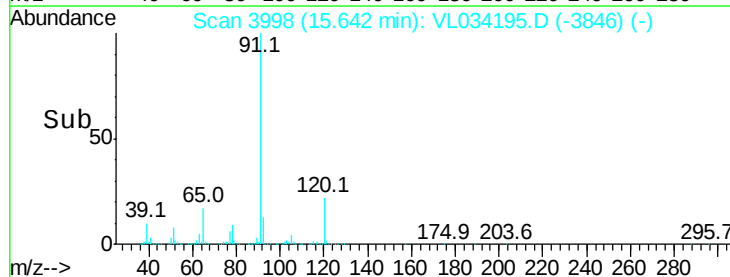
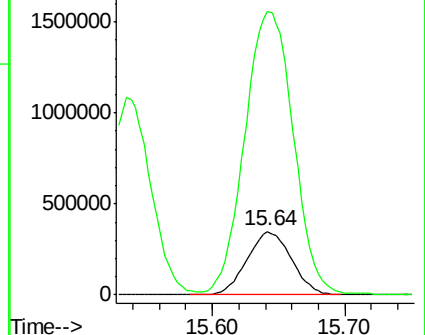
120 100

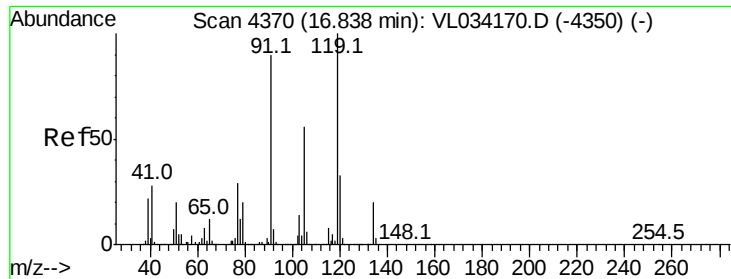
91 490.0 378.2 567.2



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

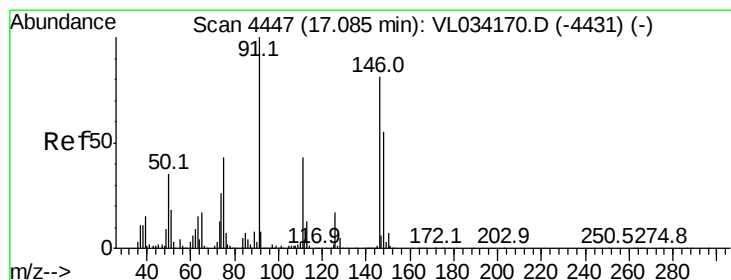
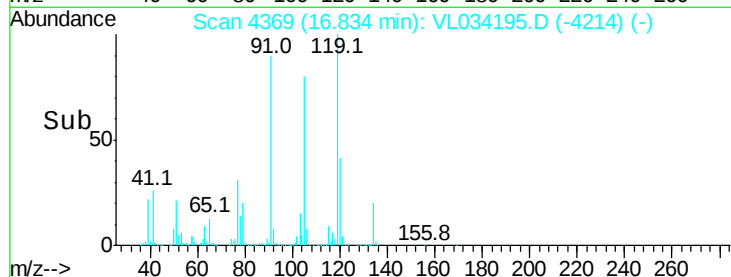
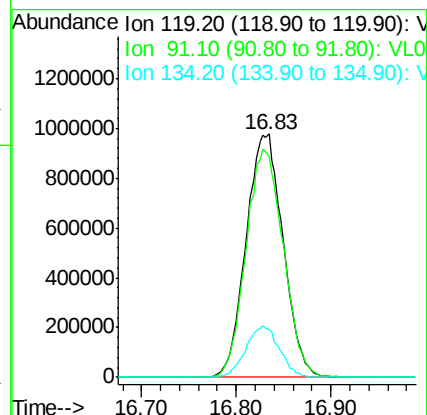
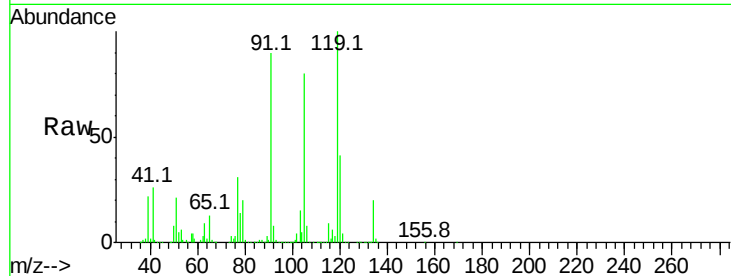




#65
 tert-Butylbenzene
 Concen: 6.947 ppbv
 RT: 16.83 min Scan# 4369
 Delta R.T. -0.00 min
 Lab File: VL034195.D
 Acq: 19 Sep 2019 10:34

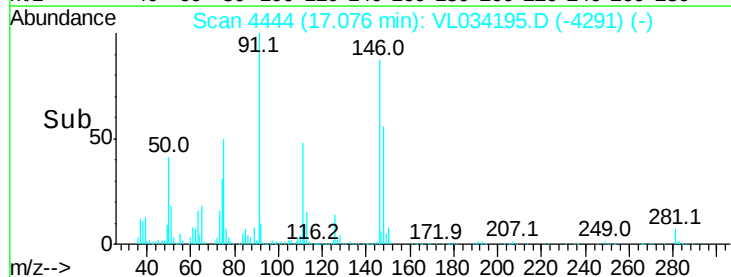
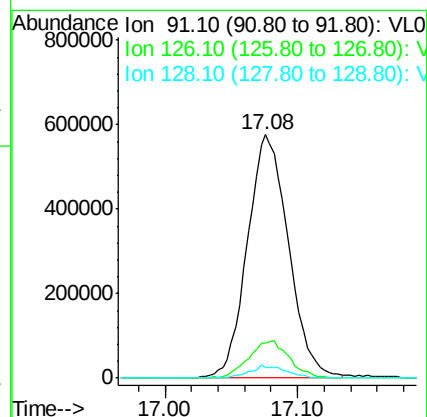
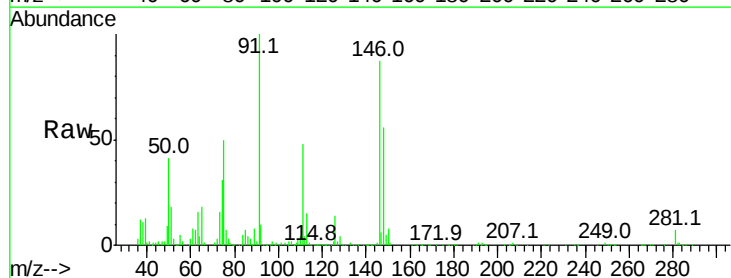
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

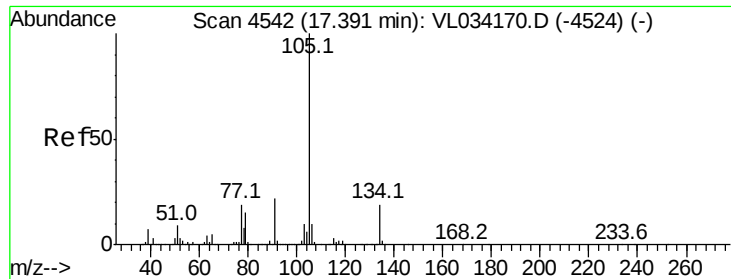
Tgt Ion: 119 Resp: 2655307
 Ion Ratio Lower Upper
 119 100
 91 94.9 74.9 112.3
 134 19.3 15.8 23.6



#66
 Benzyl Chloride
 Concen: 9.172 ppbv
 RT: 17.08 min Scan# 4444
 Delta R.T. -0.01 min
 Lab File: VL034195.D
 Acq: 19 Sep 2019 10:34

Tgt Ion: 91 Resp: 1240290
 Ion Ratio Lower Upper
 91 100
 126 15.3 12.6 19.0
 128 4.6 4.0 6.0





#67

sec-Butylbenzene

Concen: 7.051 ppbv

RT: 17.38 min Scan# 4539

Delta R.T. -0.01 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

Instrument :

MSVOA_L

ClientSampleId :

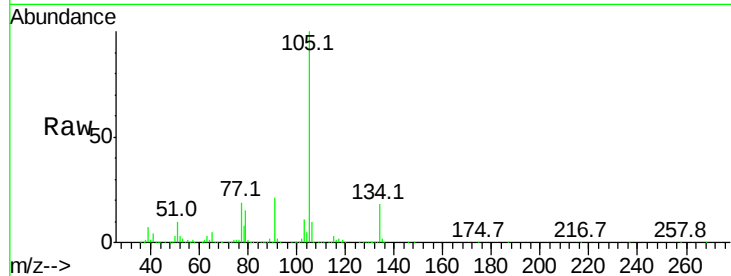
VSTDCCC010EC

Tgt Ion: 105 Resp: 3853780

Ion Ratio Lower Upper

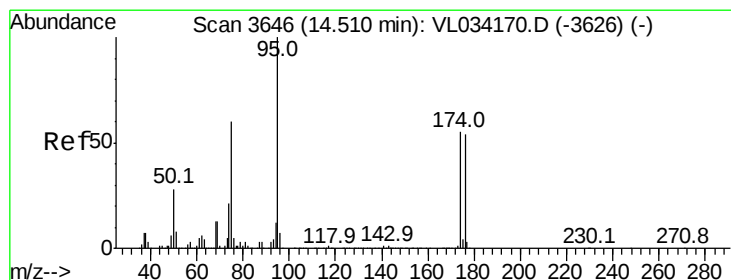
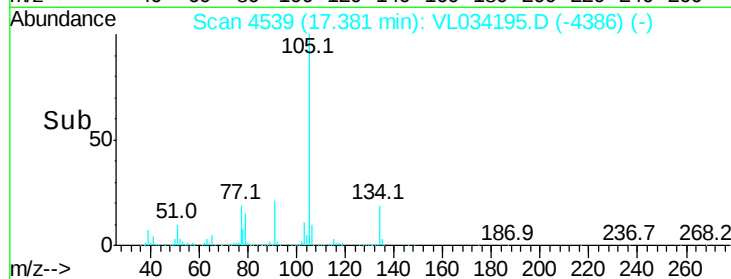
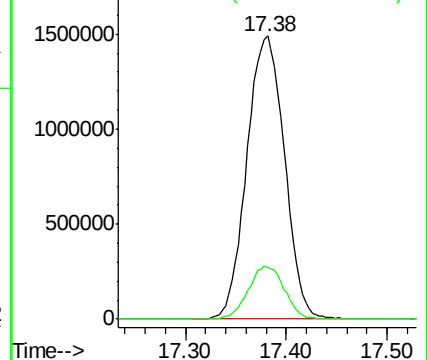
105 100

134 17.9 14.6 22.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.298 ppbv

RT: 14.50 min Scan# 3642

Delta R.T. -0.01 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

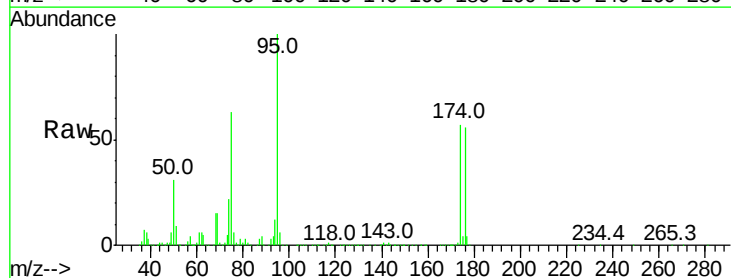
Tgt Ion: 95 Resp: 1823178

Ion Ratio Lower Upper

95 100

174 56.0 45.1 67.7

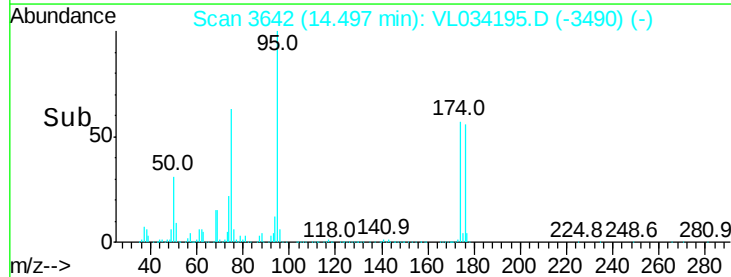
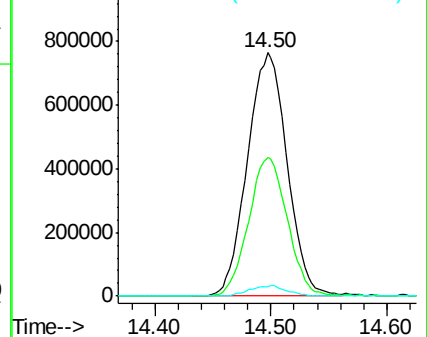
175 4.1 3.3 4.9

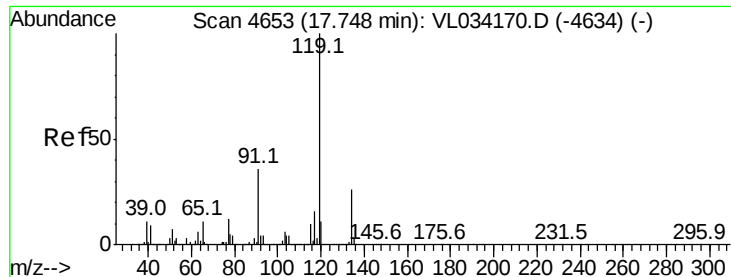


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

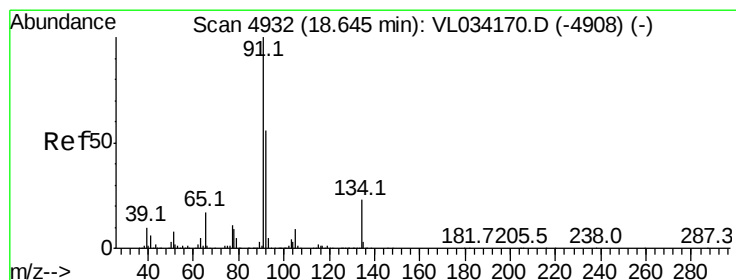
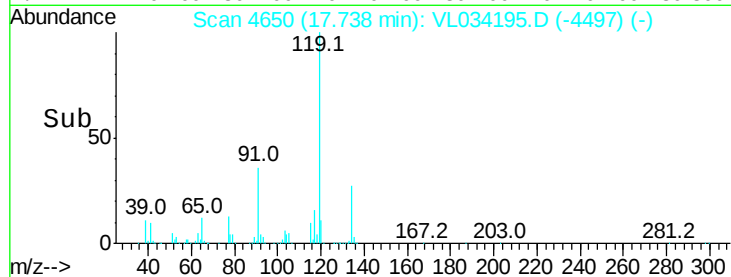
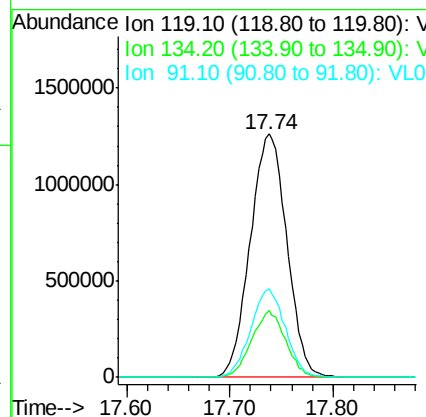
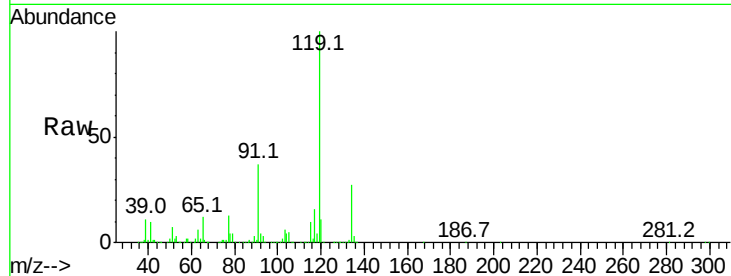




#69
 p-Isopropyltoluene
 Concen: 7.022 ppbv
 RT: 17.74 min Scan# 4650
 Delta R.T. -0.01 min
 Lab File: VL034195.D
 Acq: 19 Sep 2019 10:34

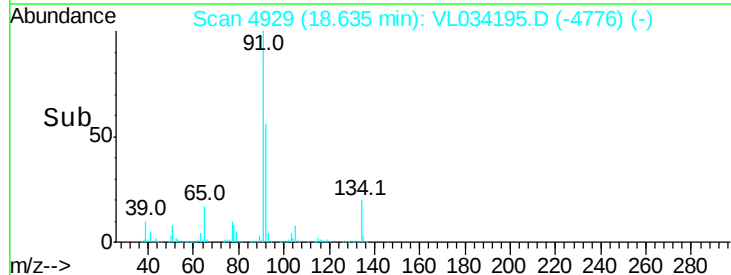
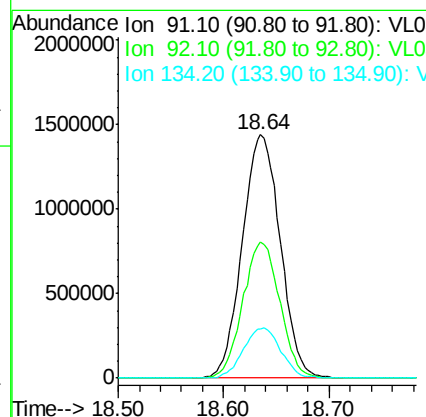
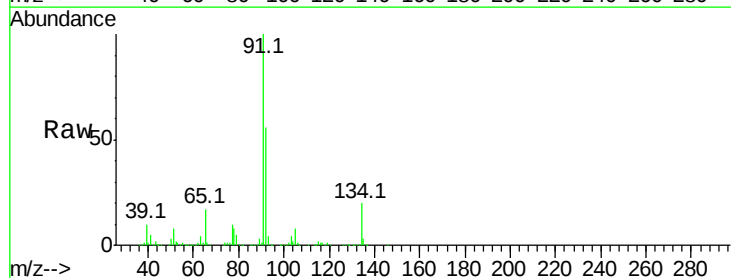
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

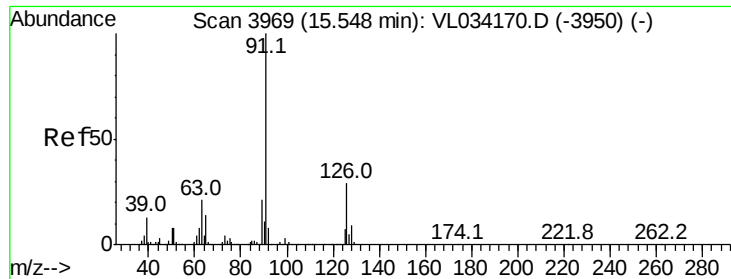
Tgt Ion: 119 Resp: 3107635
 Ion Ratio Lower Upper
 119 100
 134 25.5 20.6 30.8
 91 34.7 27.6 41.4



#70
 n-Butylbenzene
 Concen: 6.995 ppbv
 RT: 18.64 min Scan# 4929
 Delta R.T. -0.01 min
 Lab File: VL034195.D
 Acq: 19 Sep 2019 10:34

Tgt Ion: 91 Resp: 3604517
 Ion Ratio Lower Upper
 91 100
 92 54.5 44.8 67.2
 134 20.4 17.3 25.9





#71

2-Chlorotoluene

Concen: 7.153 ppbv

RT: 15.54 min Scan# 3965

Delta R.T. -0.01 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

Instrument :

MSVOA_L

ClientSampleId :

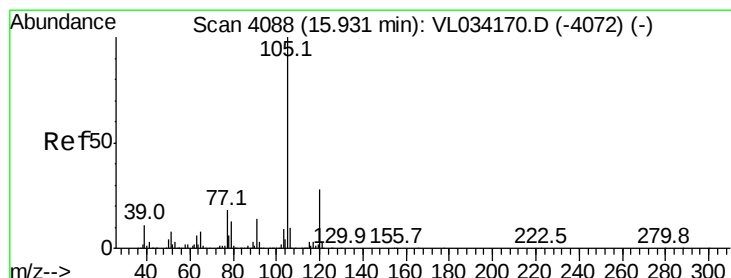
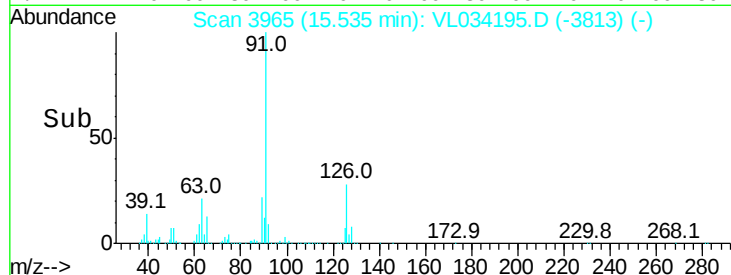
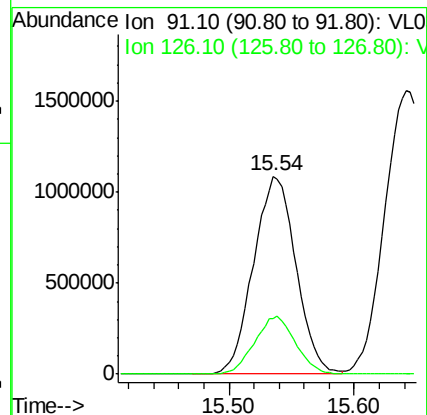
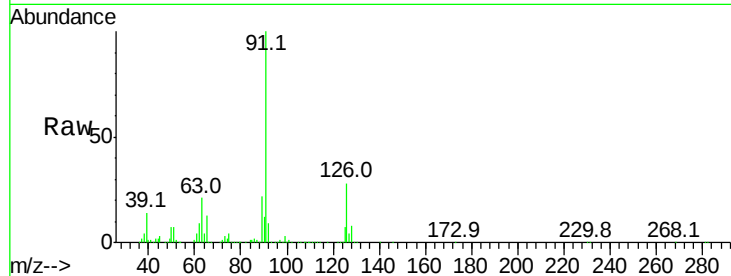
VSTDCCC010EC

Tgt Ion: 91 Resp: 2556376

Ion Ratio Lower Upper

91 100

126 28.3 11.2 45.0



#72

4-Ethyltoluene

Concen: 7.305 ppbv

RT: 15.92 min Scan# 4085

Delta R.T. -0.01 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

Tgt Ion: 105 Resp: 2788973

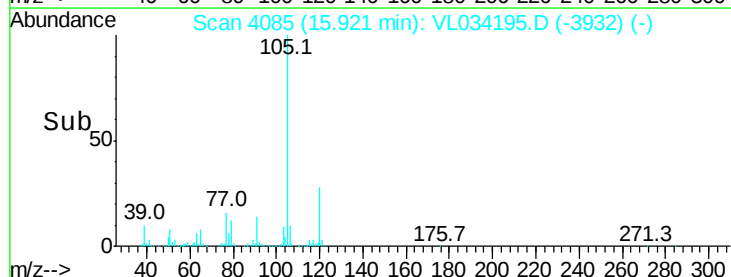
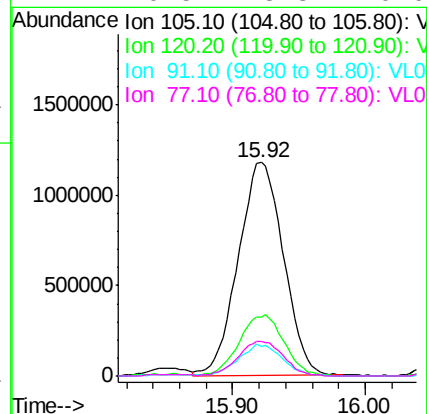
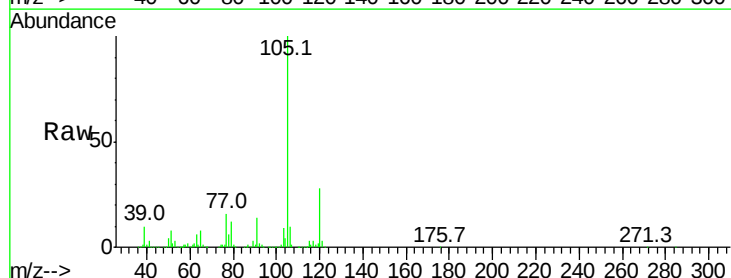
Ion Ratio Lower Upper

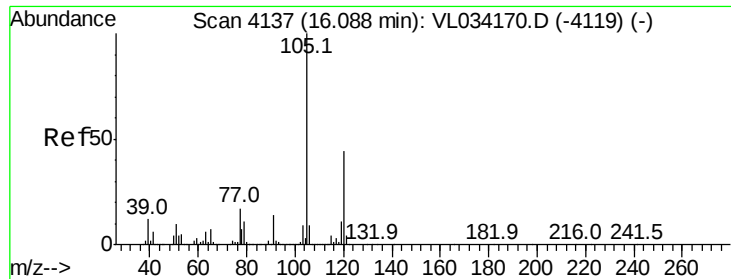
105 100

120 28.6 23.3 34.9

91 14.3 11.4 17.2

77 16.5 13.3 19.9





#73

1,3,5-Trimethylbenzene

Concen: 7.197 ppbv

RT: 16.08 min Scan# 4134

Delta R.T. -0.01 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

Instrument :

MSVOA_L

ClientSampleId :

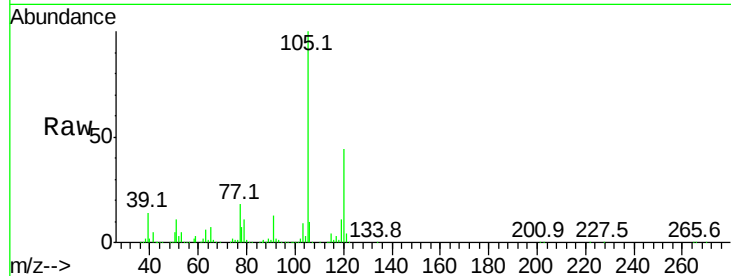
VSTDCCC010EC

Tgt Ion:105 Resp: 2654600

Ion Ratio Lower Upper

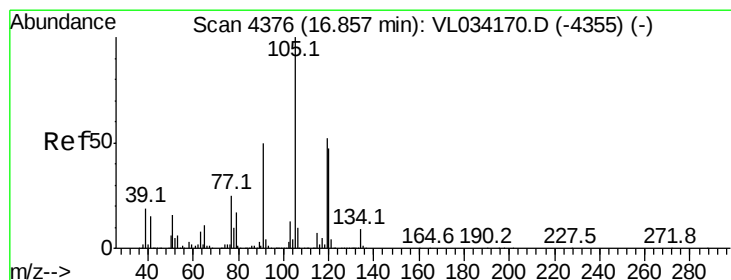
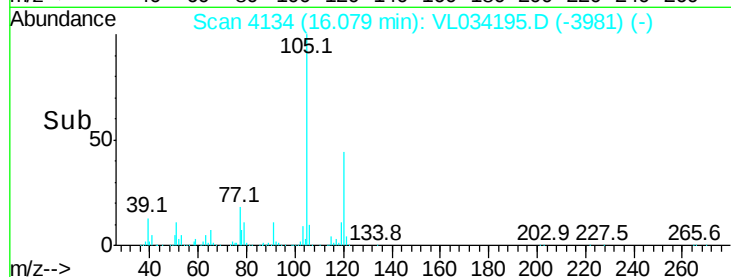
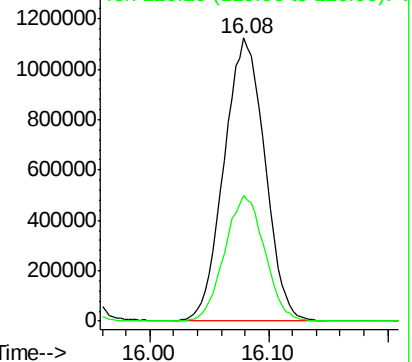
105 100

120 44.4 35.6 53.4



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: 6.845 ppbv

RT: 16.85 min Scan# 4374

Delta R.T. -0.01 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

Tgt Ion:105 Resp: 2680844

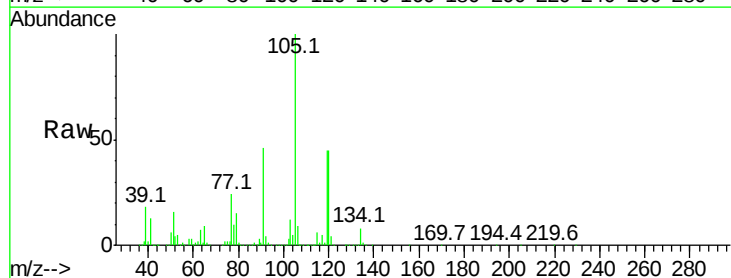
Ion Ratio Lower Upper

105 100

120 45.0 37.5 56.3

91 45.5 41.1 61.7

77 23.5 19.9 29.9

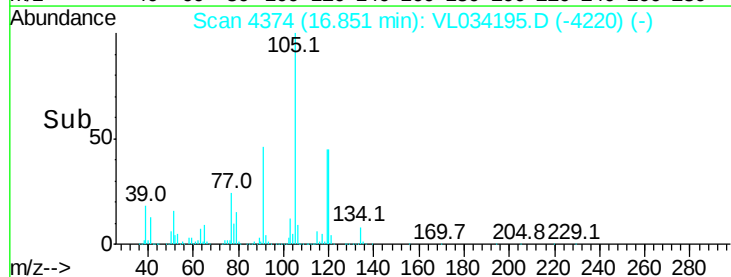
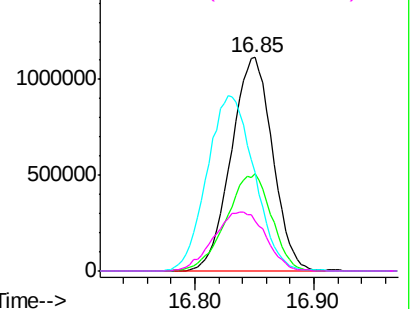


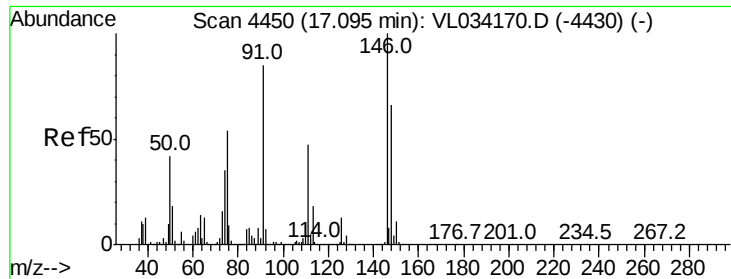
Abundance Ion 105.10 (104.80 to 105.80): V

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: 6.882 ppbv

RT: 17.09 min Scan# 4447

Delta R.T. -0.01 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

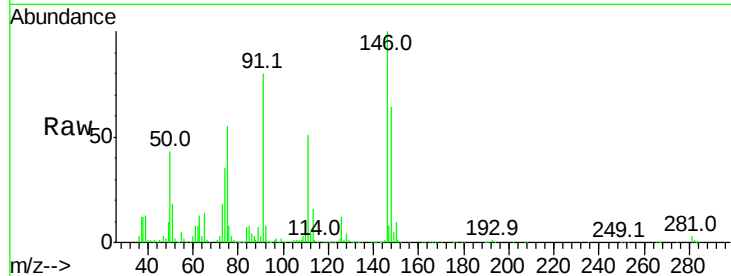
Tgt Ion:146 Resp: 1446099

Ion Ratio Lower Upper

146 100

111 51.4 25.9 77.8

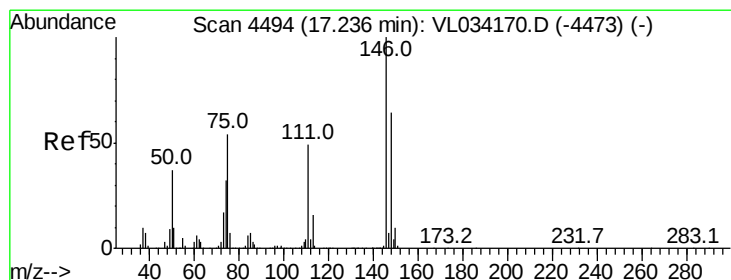
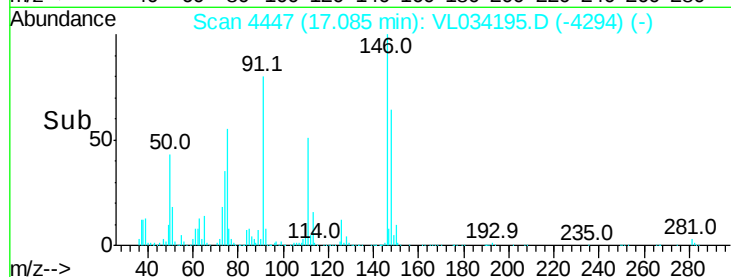
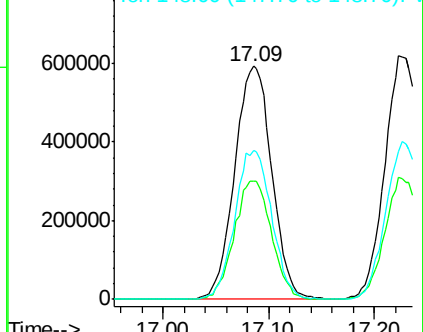
148 63.8 32.6 97.7



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: 6.825 ppbv

RT: 17.22 min Scan# 4490

Delta R.T. -0.01 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

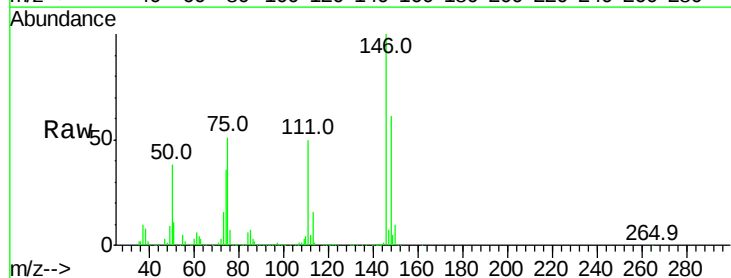
Tgt Ion:146 Resp: 1468713

Ion Ratio Lower Upper

146 100

111 50.4 24.6 74.0

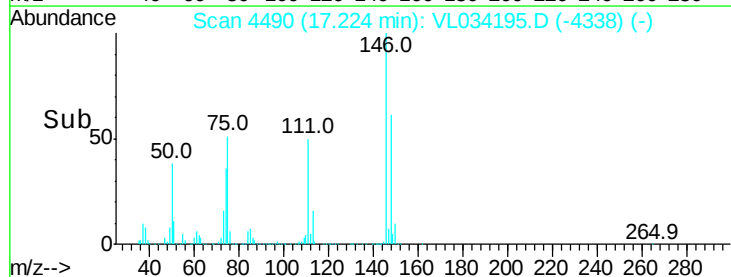
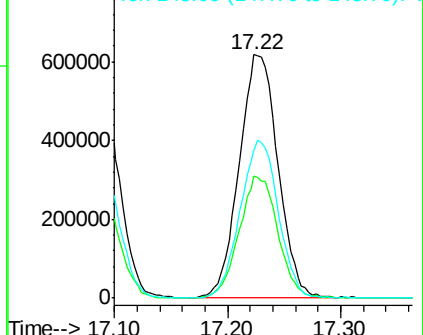
148 64.3 32.4 97.0

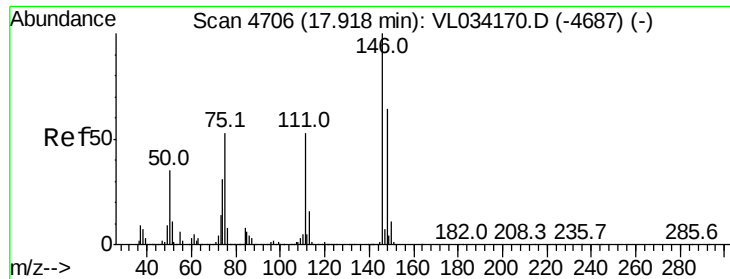


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

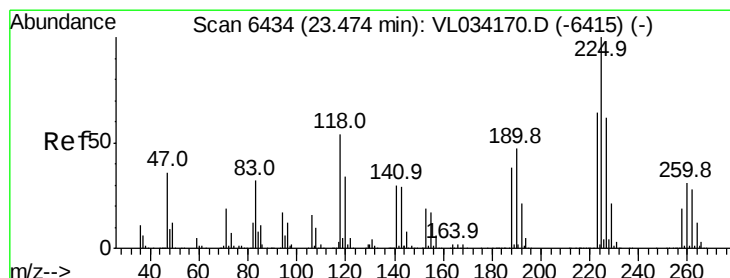
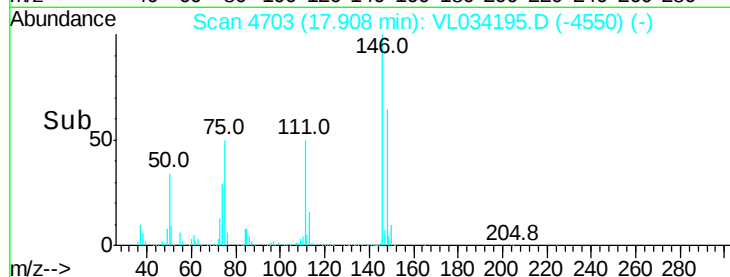
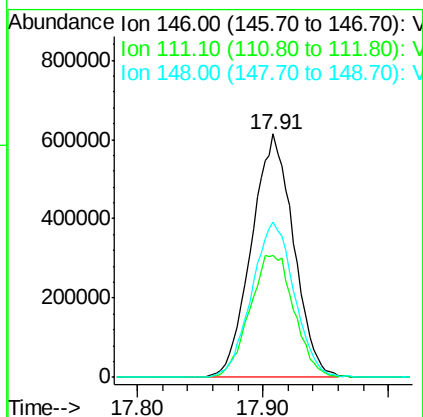
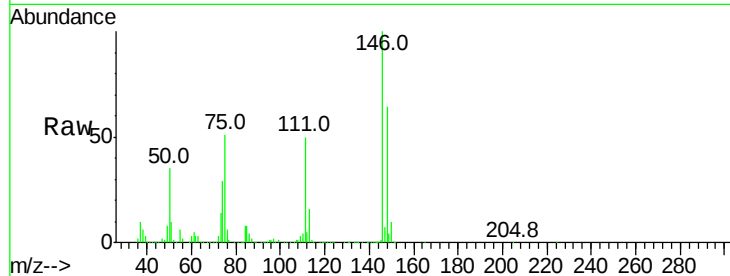




#77
 1,2-Dichlorobenzene
 Concen: 6.724 ppbv
 RT: 17.91 min Scan# 4703
 Delta R.T. -0.01 min
 Lab File: VL034195.D
 Acq: 19 Sep 2019 10:34

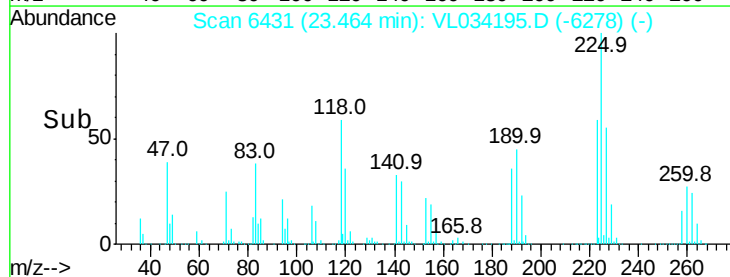
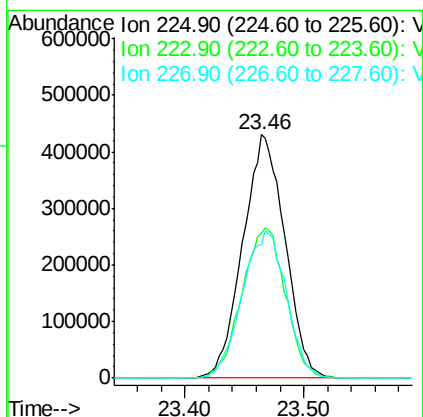
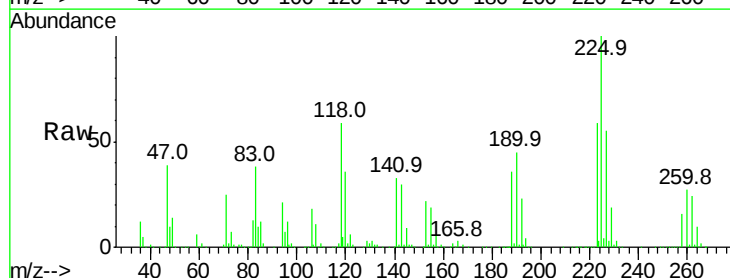
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

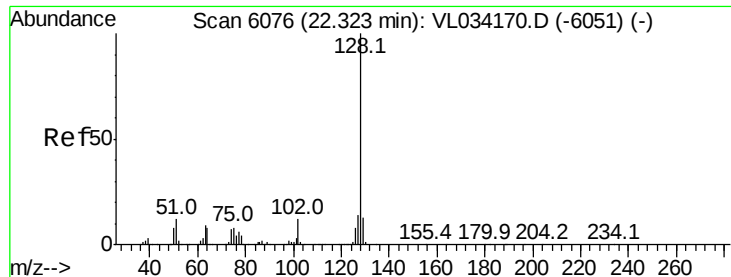
Tgt Ion:146 Resp: 1430066
 Ion Ratio Lower Upper
 146 100
 111 53.2 26.1 78.3
 148 64.8 31.9 95.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.484 ppbv
 RT: 23.46 min Scan# 6431
 Delta R.T. -0.01 min
 Lab File: VL034195.D
 Acq: 19 Sep 2019 10:34

Tgt Ion:225 Resp: 1054169
 Ion Ratio Lower Upper
 225 100
 223 63.6 51.7 77.5
 227 63.1 52.1 78.1





#79

Naphthalene

Concen: 6.872 ppbv

RT: 22.31 min Scan# 6073

Delta R.T. -0.01 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

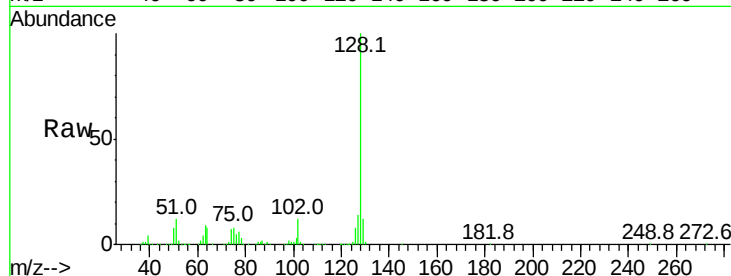
Tgt Ion:128 Resp: 2369396

Ion Ratio Lower Upper

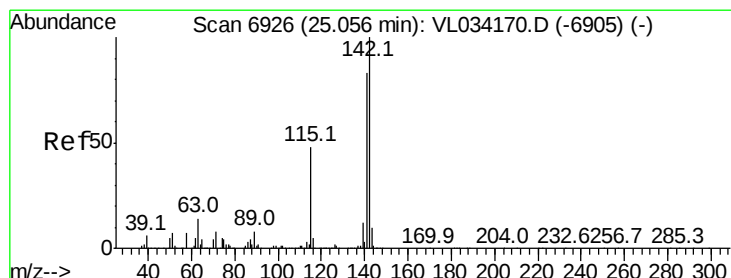
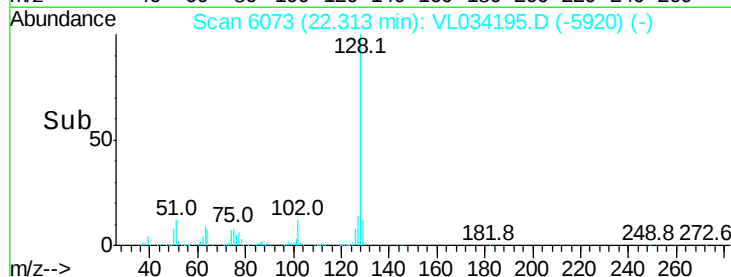
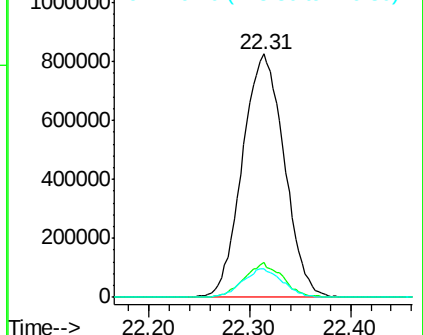
128 100

127 14.2 11.1 16.7

129 11.9 10.2 15.4



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: 6.330 ppbv

RT: 25.05 min Scan# 6924

Delta R.T. -0.01 min

Lab File: VL034195.D

Acq: 19 Sep 2019 10:34

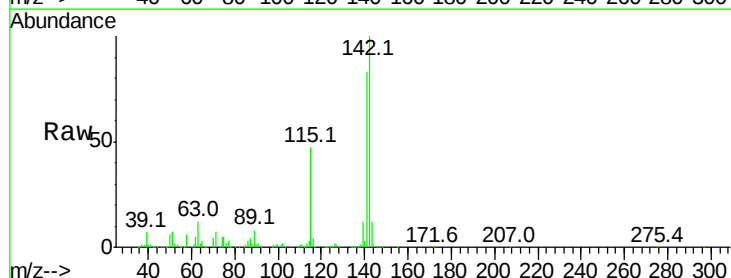
Tgt Ion:142 Resp: 1014921

Ion Ratio Lower Upper

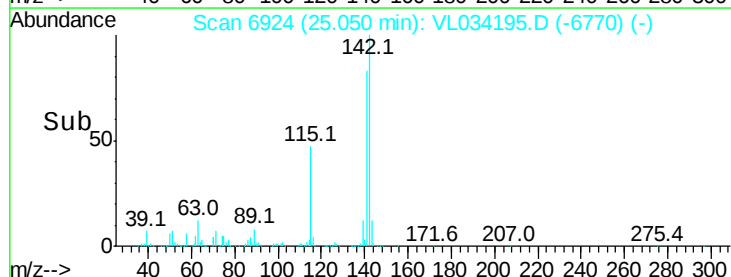
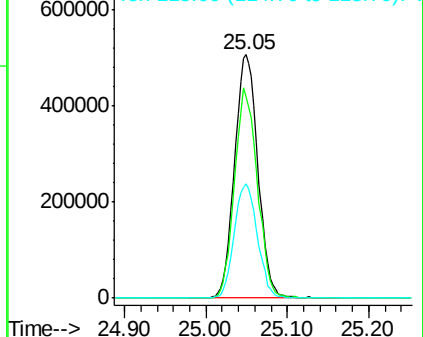
142 100

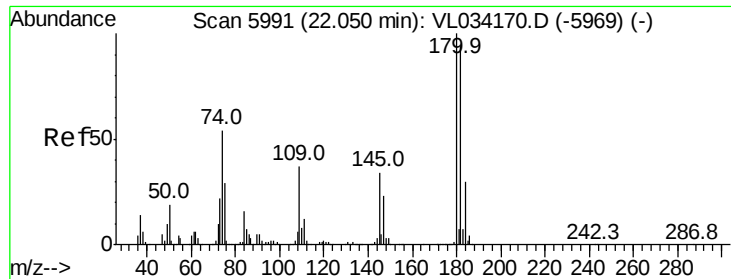
141 84.4 67.6 101.4

115 46.5 36.9 55.3



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: 6.693 ppbv
 RT: 22.04 min Scan# 5988
 Delta R.T. -0.01 min
 Lab File: VL034195.D
 Acq: 19 Sep 2019 10:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:180 Resp: 1278324
 Ion Ratio Lower Upper
 180 100
 182 97.0 77.4 116.2
 184 30.5 25.0 37.4

