

Data File : VL034118.D

Acq On : 13 Aug 2019 9:33

Operator : SY/AP

Sample : VSTDCCC010

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Quant Time: Aug 13 10:09:26 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080519AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 05 17:09:48 2019

QLast Update : Mon Aug 05 17:09:48 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.72	49	1080085	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.25	114	2061765	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.18	117	2661005	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.52	95	1816782	8.41	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	84.10%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	1086267	8.172	ppbv	99
3) Chlorodifluoromethane	2.99	51	1147687	9.189	ppbv	98
4) Chloromethane	3.14	50	720044	8.942	ppbv	99
5) Vinyl Chloride	3.26	62	644527	9.085	ppbv	96
6) Bromomethane	3.48	94	331274	9.036	ppbv	99
7) Chloroethane	3.57	64	228692	8.604	ppbv	97
8) Dichlorotetrafluoroethane	3.19	85	1329368	8.669	ppbv	90
9) Propene	3.01	41	637592	8.659	ppbv	99
10) Heptane	8.20	43	1651193	8.669	ppbv	99
11) Trichlorofluoromethane	3.97	101	1362408	8.645	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.51	101	927460	8.340	ppbv	91
13) Ethanol	3.62	45	123958	5.974	ppbv	99
14) Bromoethene	3.75	108	405314	8.162	ppbv	97
15) Acetone	3.87	43	1186968	7.690	ppbv	100
16) 1,3-Butadiene	3.33	39	641275	8.544	ppbv	100
17) tert-Butyl alcohol	4.32	59	930065	6.458	ppbv	99
18) 1,1-Dichloroethene	4.31	96	433343	8.239	ppbv	98
19) Isopropyl Alcohol	3.99	45	910444	7.576	ppbv	# 46
20) Methylene Chloride	4.37	84	382372	8.261	ppbv	95
21) Allyl Chloride	4.44	41	869915	8.143	ppbv	98
22) trans-1,2-Dichloroethene	4.92	96	424943	8.315	ppbv	96
23) Vinyl Acetate	5.11	43	2137553	8.353	ppbv	99
24) 1,1-Dichloroethane	5.05	63	1365343	8.967	ppbv	100
25) Ethyl Acetate	5.72	43	2509607	8.267	ppbv	100
26) Hexane	5.74	57	1081974	8.408	ppbv	99
27) Carbon Disulfide	4.58	76	1172798	8.645	ppbv	99
28) Methyl tert-Butyl Ether	5.07	73	1702306	7.911	ppbv	98
29) Chloroform	5.80	83	1575112	9.005	ppbv	97
30) Cyclohexane	7.20	84	889535	8.751	ppbv	99
31) cis-1,2-Dichloroethene	5.60	61	1173062	9.229	ppbv	94
32) 1,1,1-Trichloroethane	6.57	97	1477593	8.535	ppbv	96
34) 2-Butanone	5.29	43	1794646	9.363	ppbv	98
35) Carbon Tetrachloride	7.08	117	1415156	8.943	ppbv	98
36) Benzene	6.96	78	2165343	9.240	ppbv	99
37) 1,2-Dichloroethane	6.37	62	1318534	10.458	ppbv	98
38) Trichloroethene	7.91	130	690585	7.609	ppbv	94
39) 1,2-Dichloropropane	7.69	63	931124	9.847	ppbv	98
40) 1,4-Dioxane	7.91	88	313472	8.786	ppbv	# 94
41) Tetrahydrofuran	6.10	42	1125731	9.547	ppbv	99
42) Bromodichloromethane	7.87	83	1733317	9.806	ppbv	100
43) Methyl Methacrylate	8.09	69	926055	9.634	ppbv	97

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Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

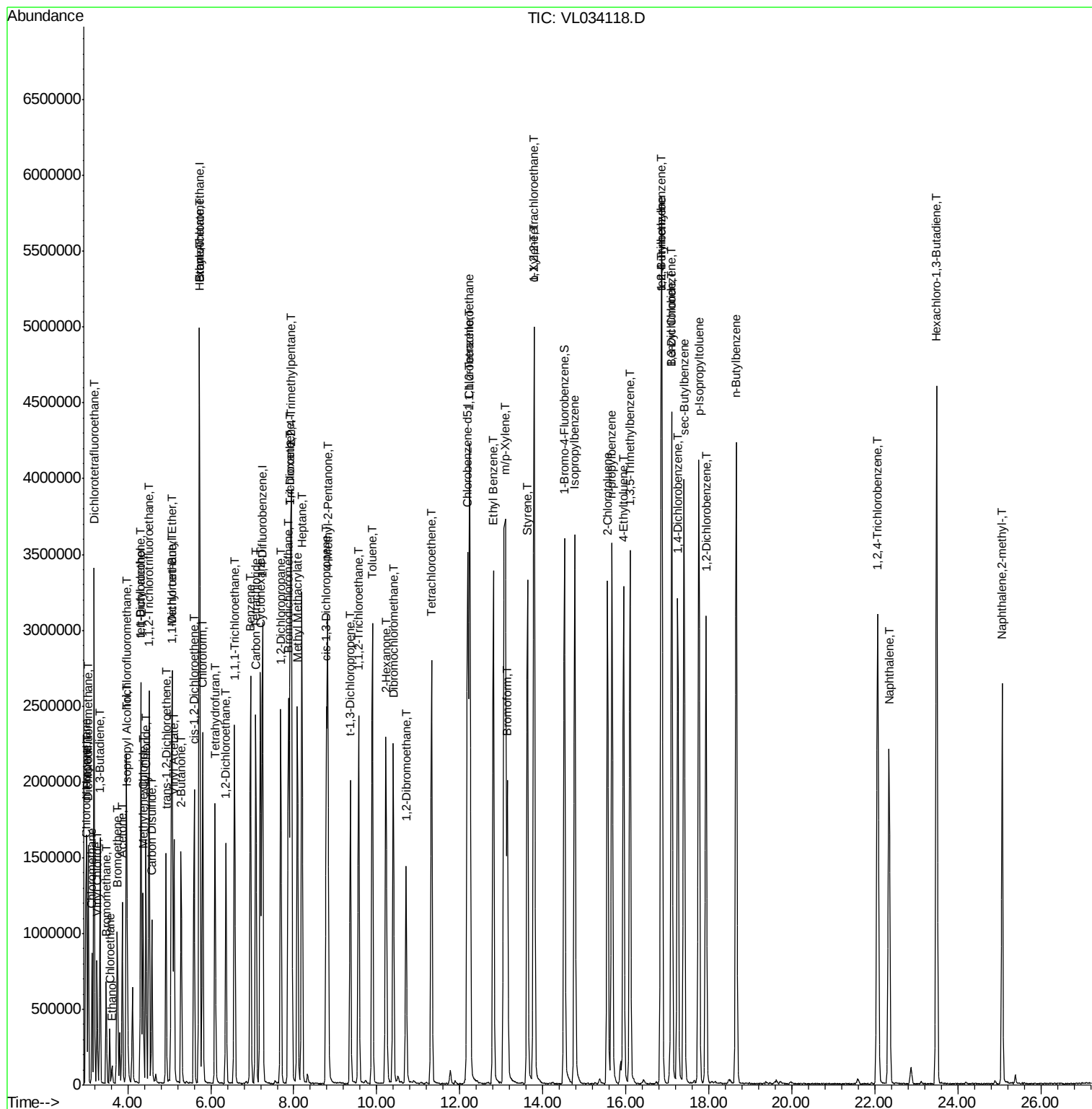
Quant Time: Aug 13 10:09:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 05 17:09:48 2019
QLast Update : Mon Aug 05 17:09:48 2019
Response via : Initial Calibration

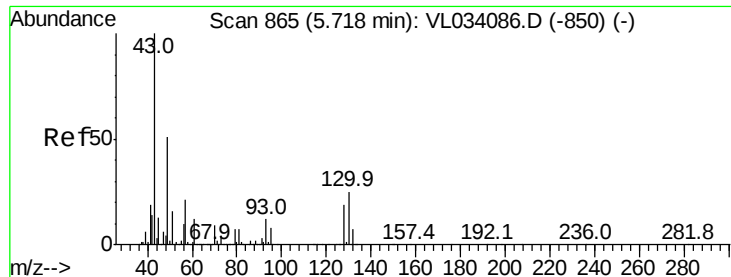
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.94	57	3733757	8.899	ppbv	99
45) t-1,3-Dichloropropene	9.36	75	1180736	9.690	ppbv	99
46) cis-1,3-Dichloropropene	8.78	75	1350058	9.601	ppbv	96
47) 1,1,2-Trichloroethane	9.57	97	355255	3.930	ppbv	96
48) Dibromochloromethane	10.40	129	1329362	9.172	ppbv	99
49) Bromoform	13.15	173	1138023	8.781	ppbv	98
50) 4-Methyl-2-Pentanone	8.82	43	2644892	9.066	ppbv	100
51) 2-Hexanone	10.22	43	2297208	9.370	ppbv #	100
52) Tetrachloroethene	11.32	164	690782	7.633	ppbv	94
53) Toluene	9.89	91	2401106	8.879	ppbv	97
54) 1,2-Dibromoethane	10.70	107	1264838	9.236	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.22	131	830248	6.824	ppbv	97
57) Chlorobenzene	12.25	112	1631252	6.807	ppbv	95
58) Ethyl Benzene	12.81	91	3186240	7.121	ppbv	98
59) m/p-Xylene	13.09	91	2183121	6.078	ppbv #	29
60) o-Xylene	13.79	91	2473411	6.891	ppbv	97
61) Styrene	13.63	104	1990182	6.986	ppbv	97
62) Isopropylbenzene	14.77	105	3246385	6.738	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.78	83	1821159	7.024	ppbv	99
64) n-propylbenzene	15.67	120	854842	6.713	ppbv	86
65) tert-Butylbenzene	16.85	119	2714862	6.326	ppbv	93
66) Benzyl Chloride	17.10	91	1389224	5.848	ppbv	95
67) sec-Butylbenzene	17.40	105	3940450	6.506	ppbv	98
69) p-Isopropyltoluene	17.76	119	3198139	6.401	ppbv	98
70) n-Butylbenzene	18.66	91	3624068	6.725	ppbv	98
71) 2-Chlorotoluene	15.56	91	2708826	6.992	ppbv	97
72) 4-Ethyltoluene	15.94	105	2887237	6.835	ppbv	99
73) 1,3,5-Trimethylbenzene	16.10	105	2755337	6.780	ppbv	95
74) 1,2,4-Trimethylbenzene	16.87	105	2727257	6.451	ppbv	95
75) 1,3-Dichlorobenzene	17.11	146	1537583	6.494	ppbv	98
76) 1,4-Dichlorobenzene	17.25	146	1599078	6.609	ppbv	99
77) 1,2-Dichlorobenzene	17.93	146	1540552	6.599	ppbv	98
78) Hexachloro-1,3-Butadiene	23.49	225	1232961	6.663	ppbv	99
79) Naphthalene	22.34	128	2783893	6.340	ppbv	99
80) Naphthalene,2-methyl-	25.07	142	1468945	10.668	ppbv	97
81) 1,2,4-Trichlorobenzene	22.06	180	754670	3.096	ppbv #	12

(#) = 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: 5.72 min Scan# 865

Delta R.T. 0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

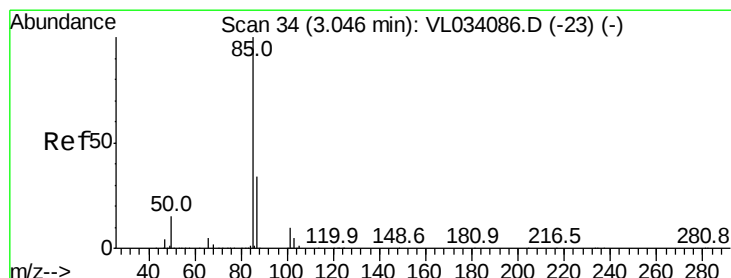
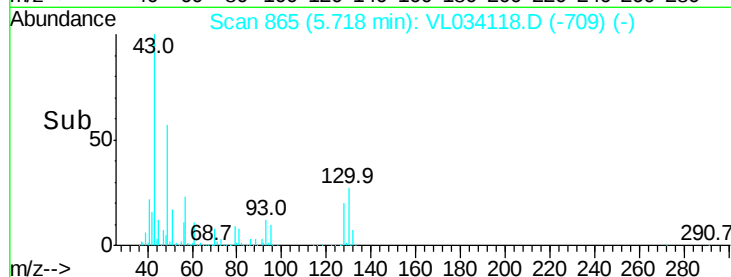
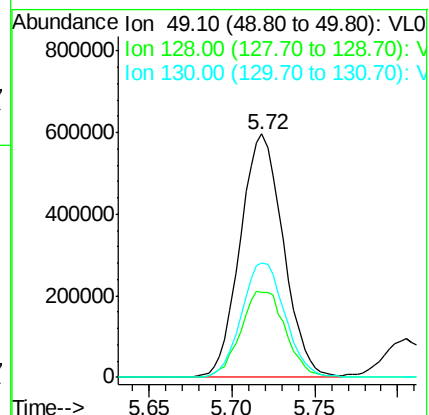
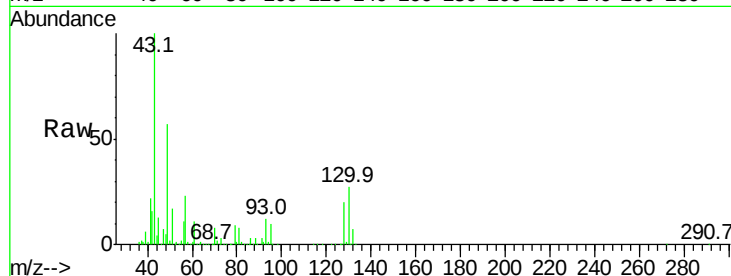
Tgt Ion: 49 Resp: 1080085

Ion Ratio Lower Upper

49 100

128 37.0 19.5 58.5

130 47.6 25.4 76.0



#2

Dichlorodifluoromethane

Concen: 8.172 ppbv

RT: 3.05 min Scan# 35

Delta R.T. 0.00 min

Lab File: VL034118.D

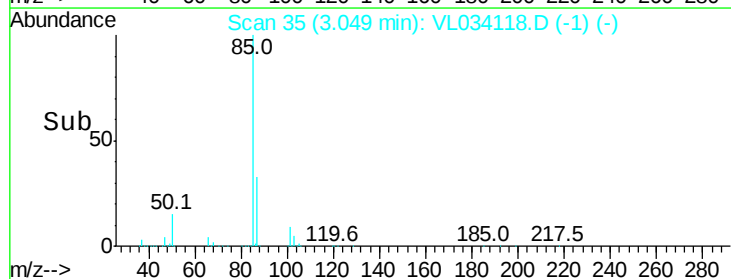
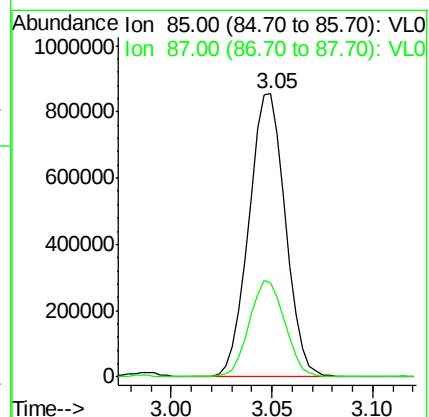
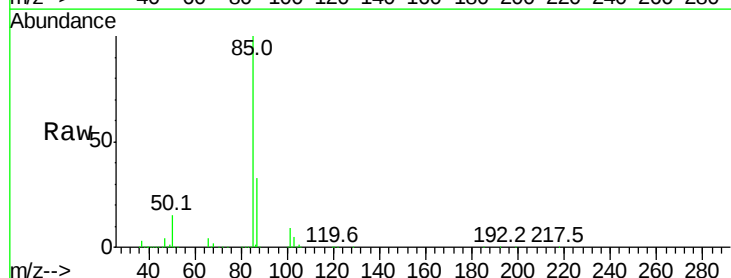
Acq: 13 Aug 2019 9:33

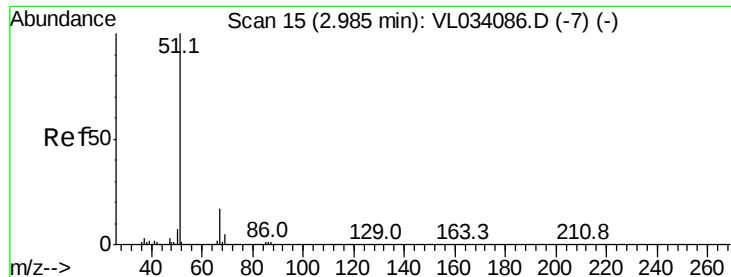
Tgt Ion: 85 Resp: 1086267

Ion Ratio Lower Upper

85 100

87 33.4 27.1 40.7

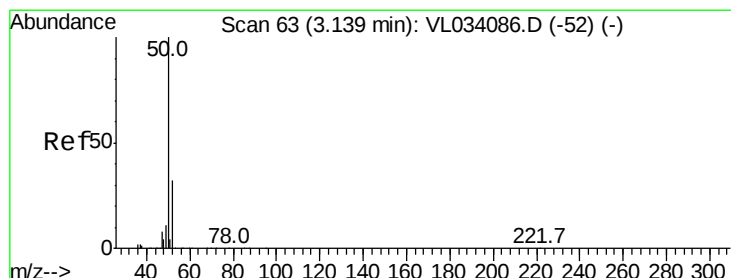
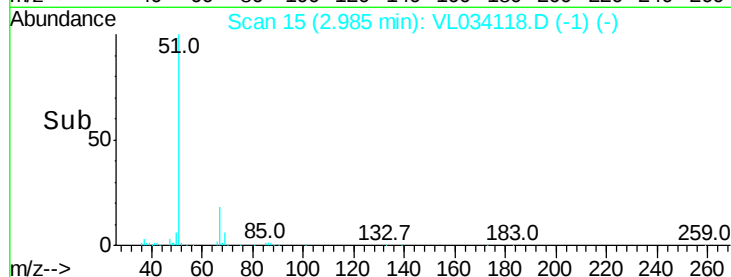
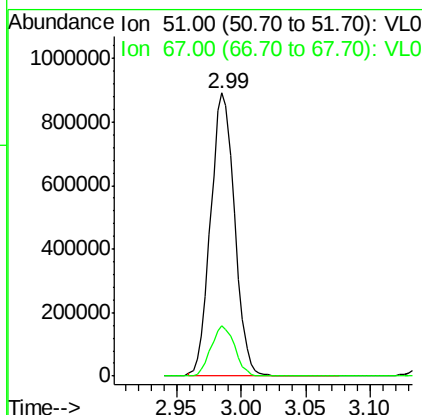
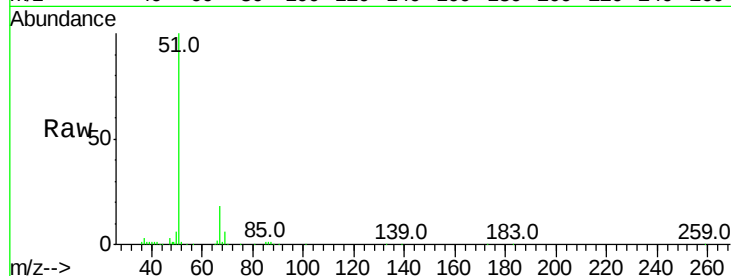




#3
 Chlorodifluoromethane
 Concen: 9.189 ppbv
 RT: 2.99 min Scan# 15
 Delta R.T. 0.00 min
 Lab File: VL034118.D
 Acq: 13 Aug 2019 9:33

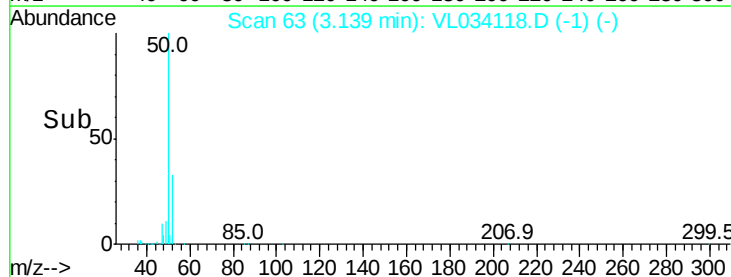
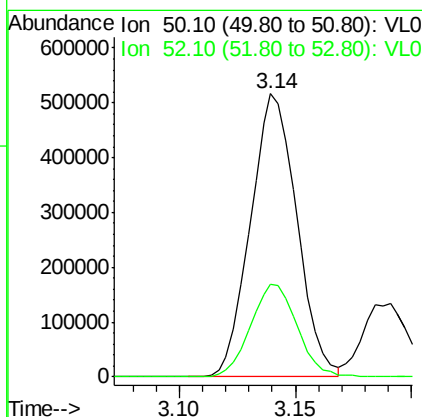
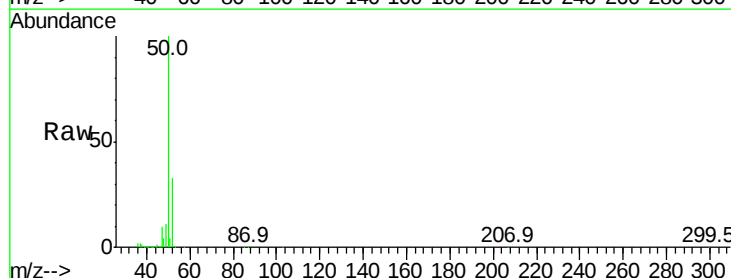
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

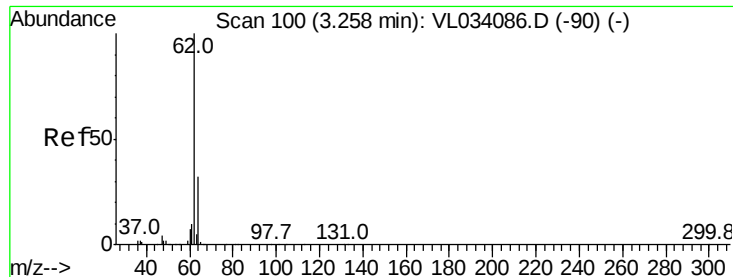
Tgt Ion: 51 Resp: 1147687
 Ion Ratio Lower Upper
 51 100
 67 17.4 13.3 19.9



#4
 Chloromethane
 Concen: 8.942 ppbv
 RT: 3.14 min Scan# 63
 Delta R.T. 0.00 min
 Lab File: VL034118.D
 Acq: 13 Aug 2019 9:33

Tgt Ion: 50 Resp: 720044
 Ion Ratio Lower Upper
 50 100
 52 32.5 25.7 38.5





#5

Vinyl Chloride

Concen: 9.085 ppbv

RT: 3.26 min Scan# 101

Delta R.T. 0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

Instrument :

MSVOA_L

ClientSampleId :

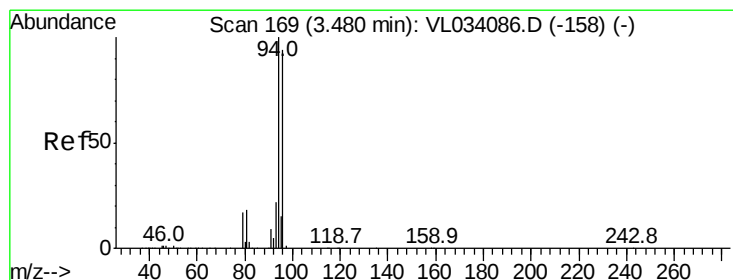
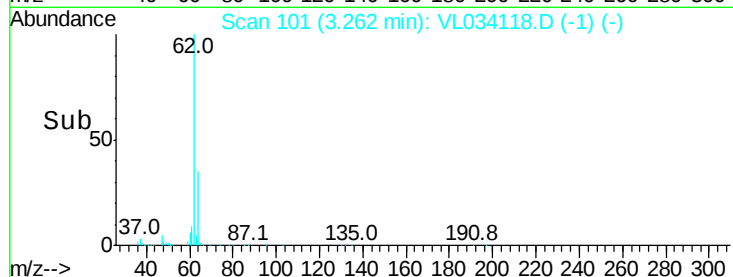
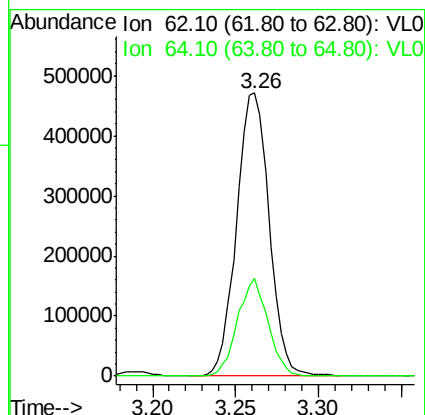
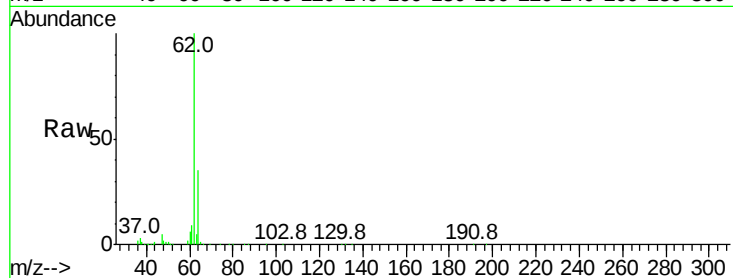
VSTDCCC010EC

Tgt Ion: 62 Resp: 644527

Ion Ratio Lower Upper

62 100

64 34.7 25.8 38.6



#6

Bromomethane

Concen: 9.036 ppbv

RT: 3.48 min Scan# 169

Delta R.T. 0.00 min

Lab File: VL034118.D

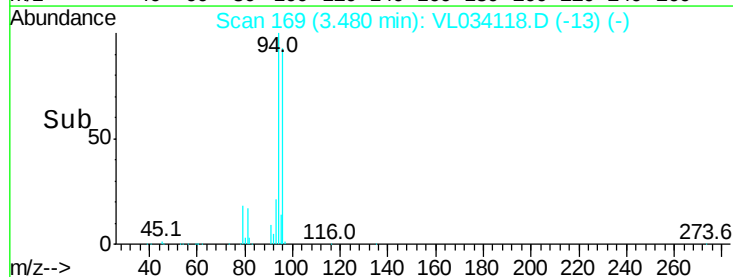
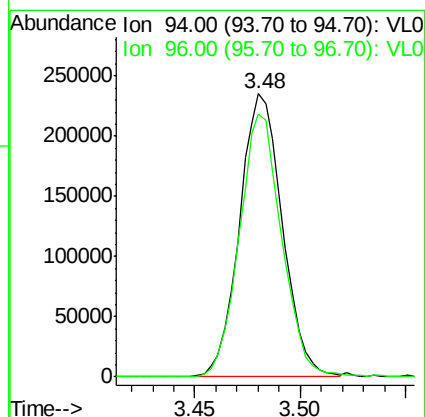
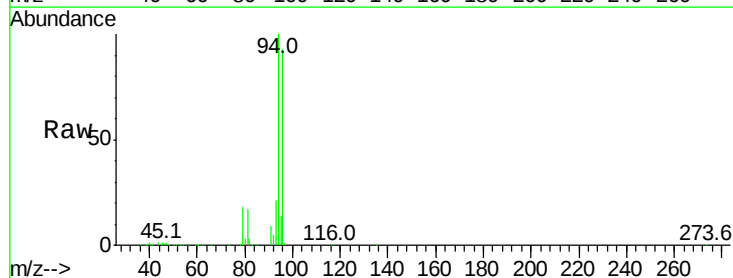
Acq: 13 Aug 2019 9:33

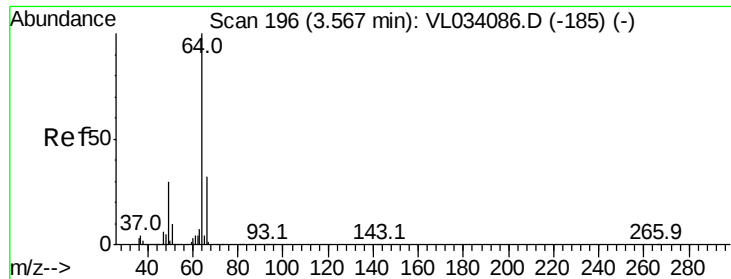
Tgt Ion: 94 Resp: 331274

Ion Ratio Lower Upper

94 100

96 92.8 75.3 112.9





#7

Chloroethane

Concen: 8.604 ppbv

RT: 3.57 min Scan# 196

Delta R.T. 0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

Instrument :

MSVOA_L

ClientSampleId :

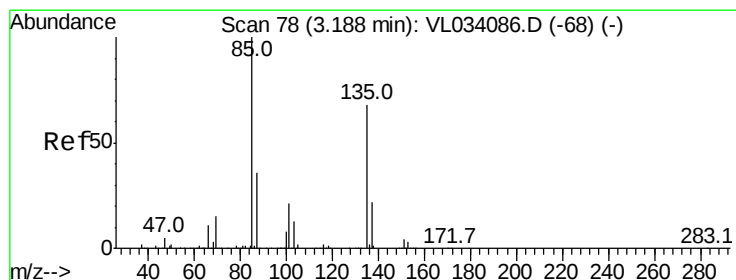
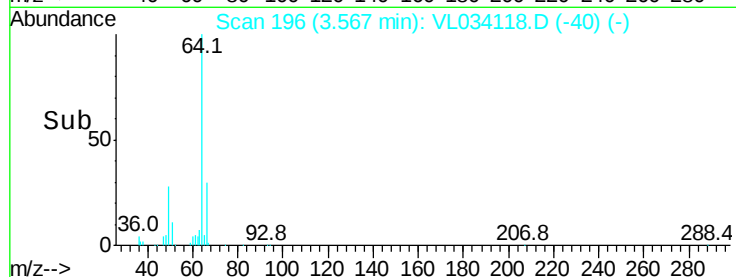
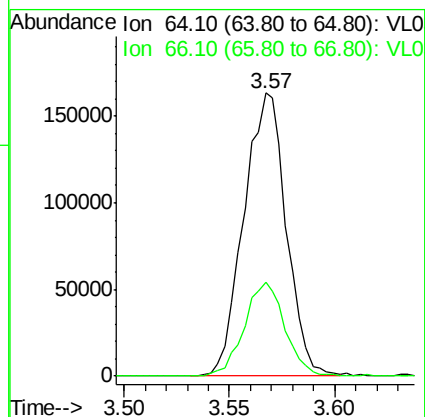
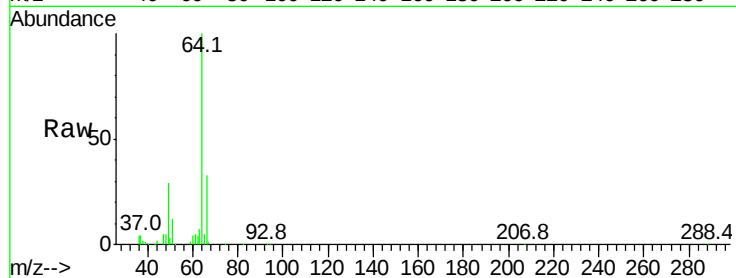
VSTDCCC010EC

Tgt Ion: 64 Resp: 228692

Ion Ratio Lower Upper

64 100

66 33.0 25.2 37.8



#8

Dichlorotetrafluoroethane

Concen: 8.669 ppbv

RT: 3.19 min Scan# 79

Delta R.T. 0.00 min

Lab File: VL034118.D

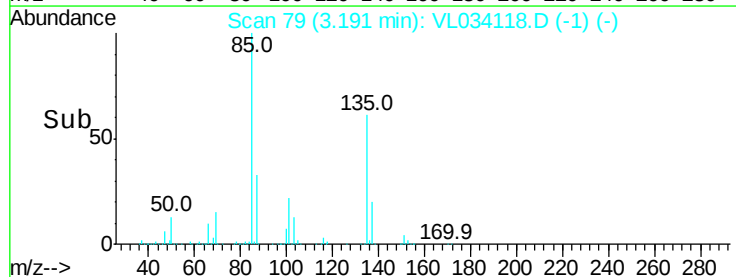
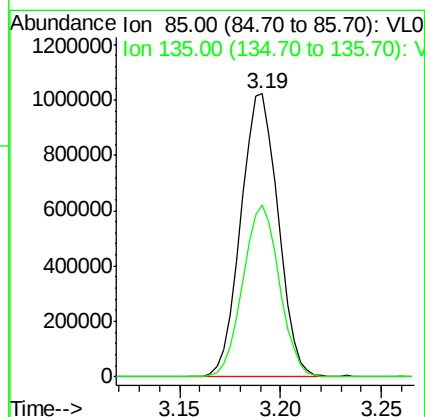
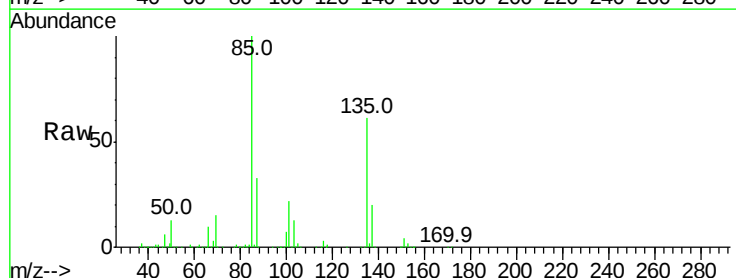
Acq: 13 Aug 2019 9:33

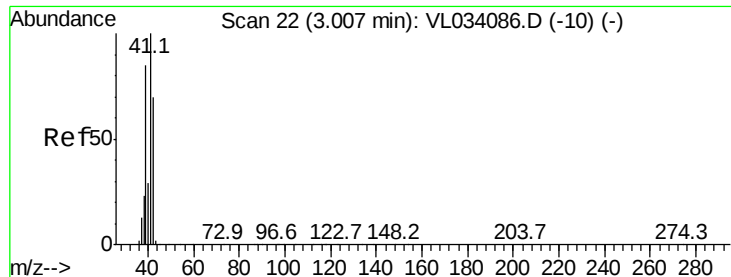
Tgt Ion: 85 Resp: 1329368

Ion Ratio Lower Upper

85 100

135 59.6 54.0 81.0





#9

Propene

Concen: 8.659 ppbv

RT: 3.01 min Scan# 22

Delta R.T. 0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

Instrument :

MSVOA_L

ClientSampleId :

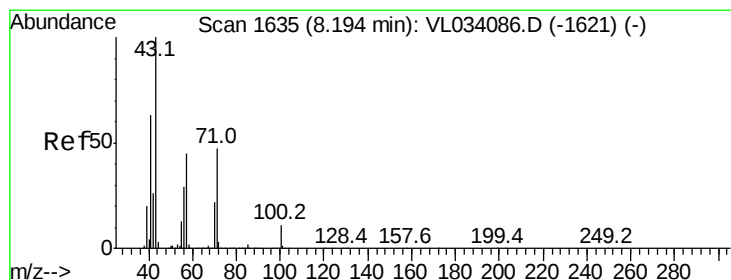
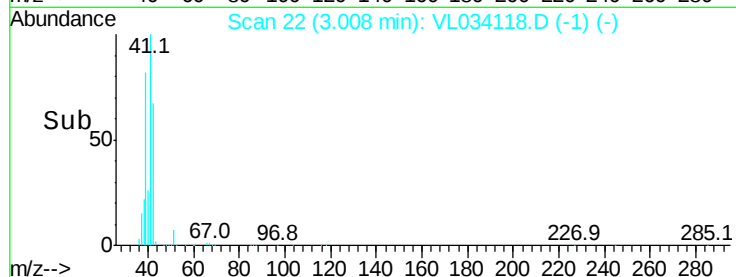
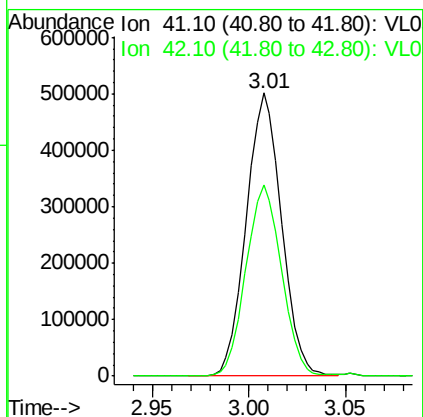
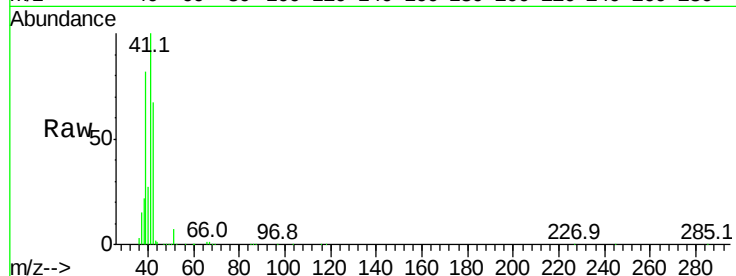
VSTDCCC010EC

Tgt Ion: 41 Resp: 637592

Ion Ratio Lower Upper

41 100

42 68.8 55.8 83.6



#10

Heptane

Concen: 8.669 ppbv

RT: 8.20 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VL034118.D

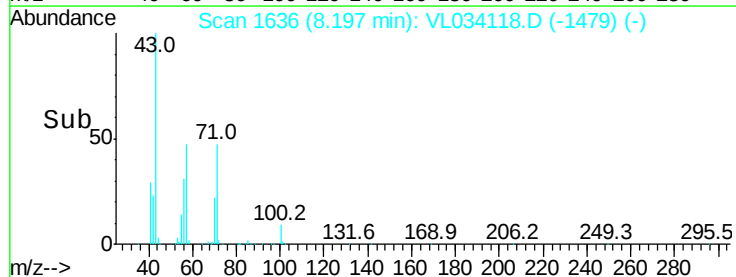
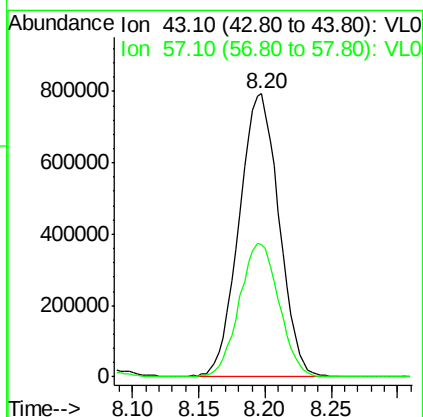
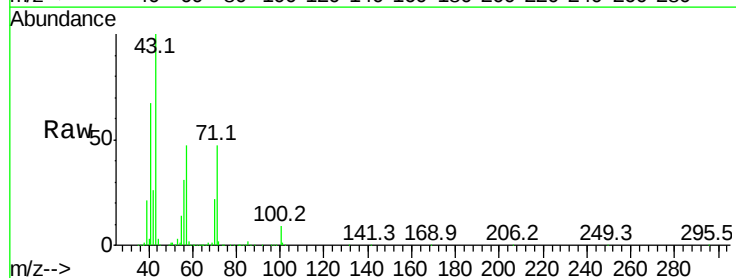
Acq: 13 Aug 2019 9:33

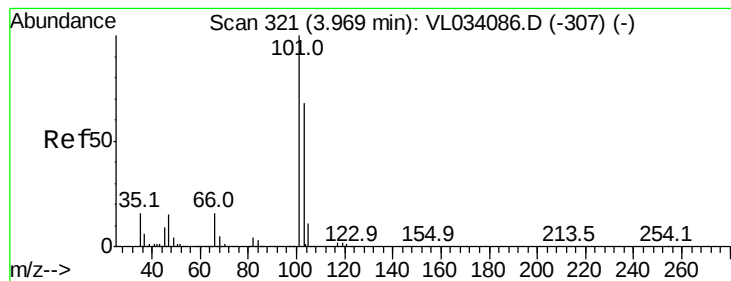
Tgt Ion: 43 Resp: 1651193

Ion Ratio Lower Upper

43 100

57 47.3 37.2 55.8





#11

Trichlorofluoromethane

Concen: 8.645 ppbv

RT: 3.97 min Scan# 320

Delta R.T. -0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

Instrument :

MSVOA_L

ClientSampleId :

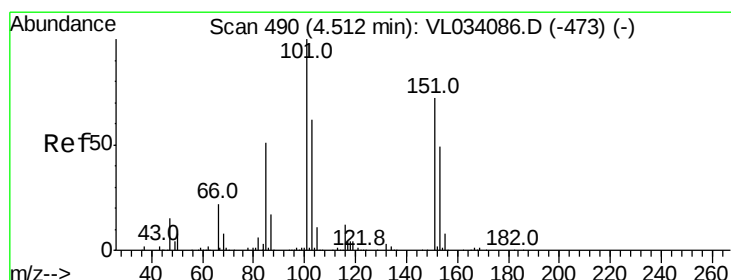
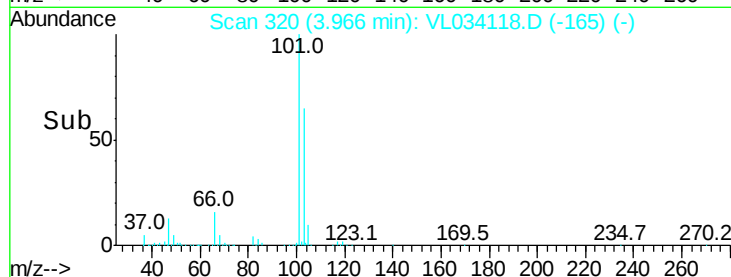
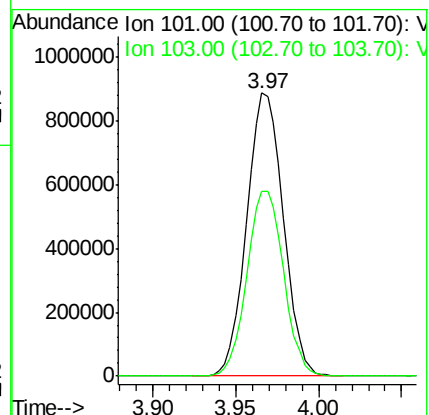
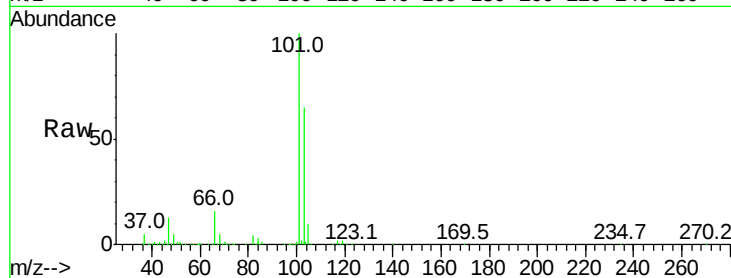
VSTDCCC010EC

Tgt Ion:101 Resp: 1362408

Ion Ratio Lower Upper

101 100

103 65.2 54.3 81.5



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.340 ppbv

RT: 4.51 min Scan# 490

Delta R.T. 0.00 min

Lab File: VL034118.D

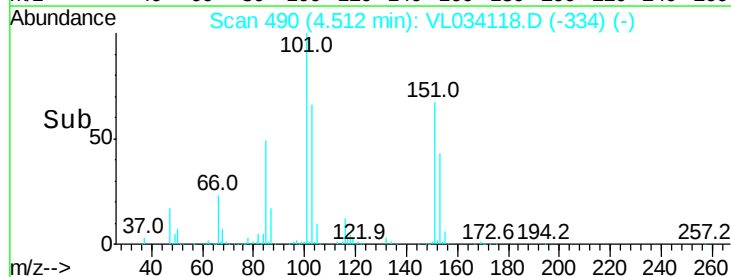
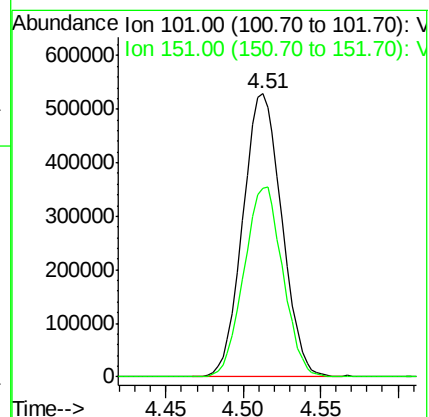
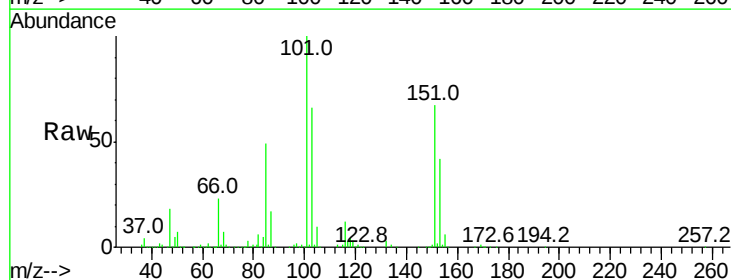
Acq: 13 Aug 2019 9:33

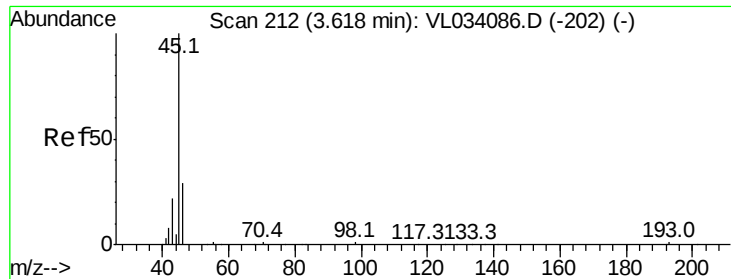
Tgt Ion:101 Resp: 927460

Ion Ratio Lower Upper

101 100

151 66.9 59.4 89.0





#13

Ethanol

Concen: 5.974 ppbv

RT: 3.62 min Scan# 213

Delta R.T. 0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

Instrument :

MSVOA_L

ClientSampleId :

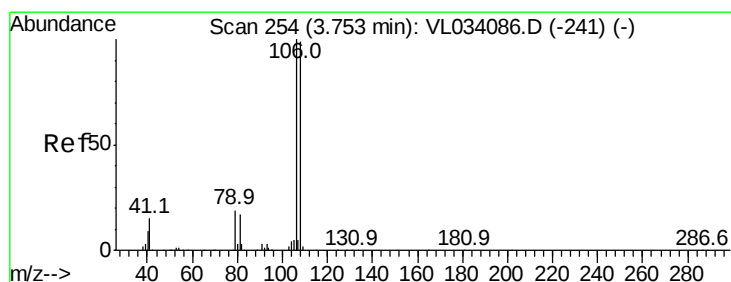
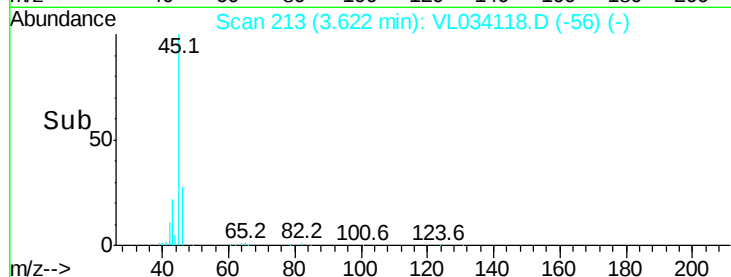
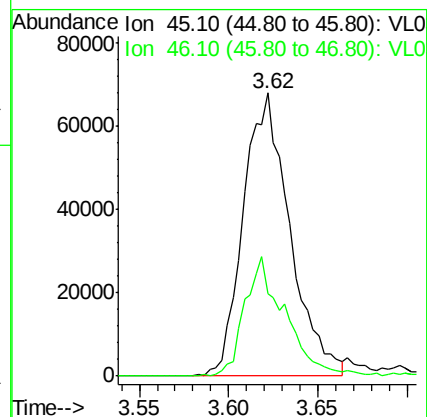
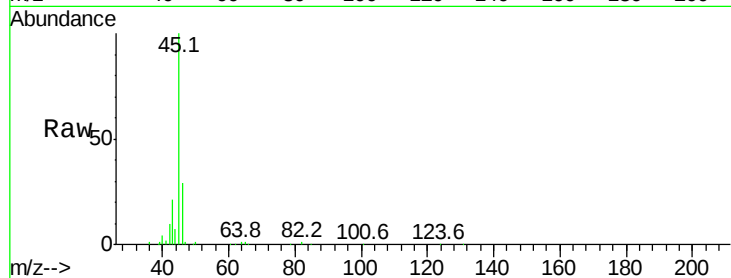
VSTDCCC010EC

Tgt Ion: 45 Resp: 123958

Ion Ratio Lower Upper

45 100

46 36.8 14.9 59.5



#14

Bromoethene

Concen: 8.162 ppbv

RT: 3.75 min Scan# 254

Delta R.T. 0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

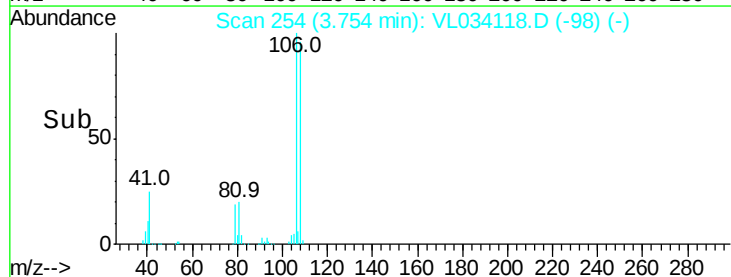
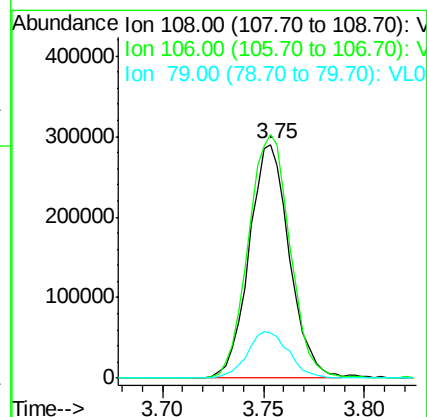
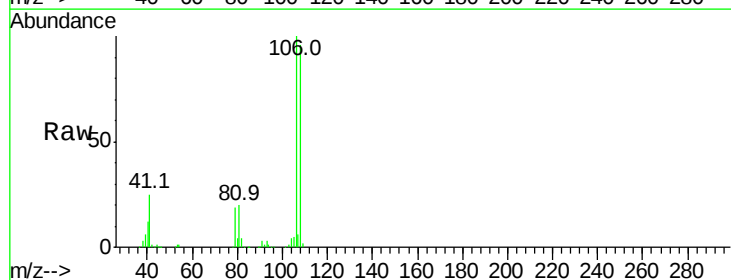
Tgt Ion: 108 Resp: 405314

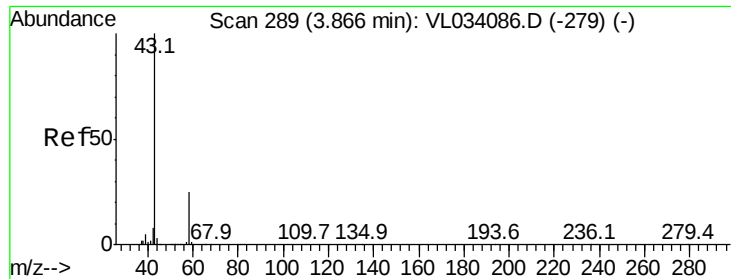
Ion Ratio Lower Upper

108 100

106 109.2 85.0 127.6

79 20.8 15.8 23.8





#15

Acetone

Concen: 7.690 ppbv

RT: 3.87 min Scan# 289

Delta R.T. 0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

Instrument :

MSVOA_L

ClientSampleId :

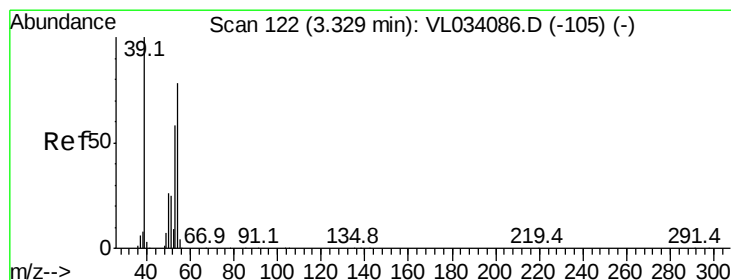
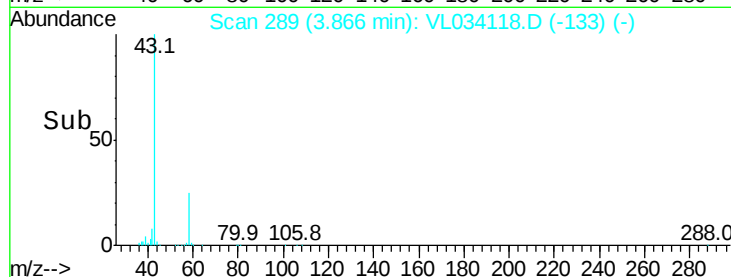
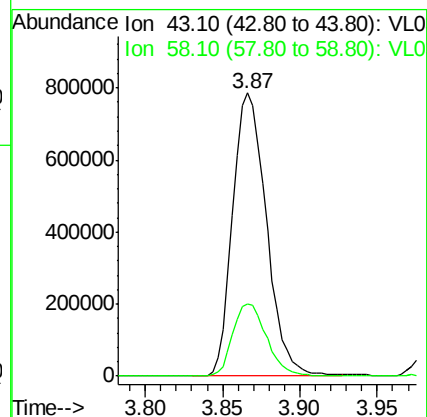
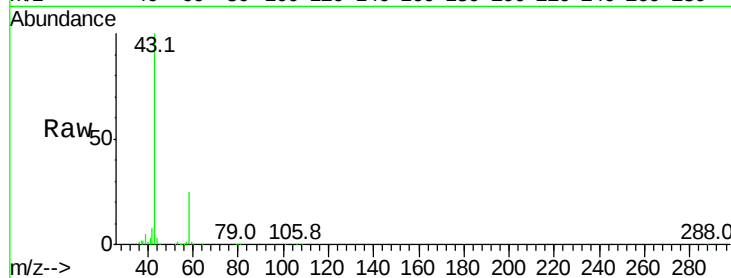
VSTDCCC010EC

Tgt Ion: 43 Resp: 1186968

Ion Ratio Lower Upper

43 100

58 25.8 20.6 30.8



#16

1,3-Butadiene

Concen: 8.544 ppbv

RT: 3.33 min Scan# 123

Delta R.T. 0.00 min

Lab File: VL034118.D

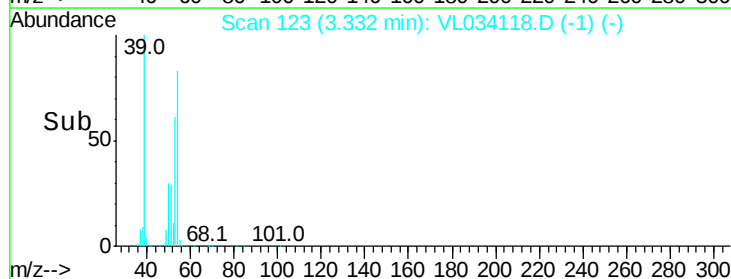
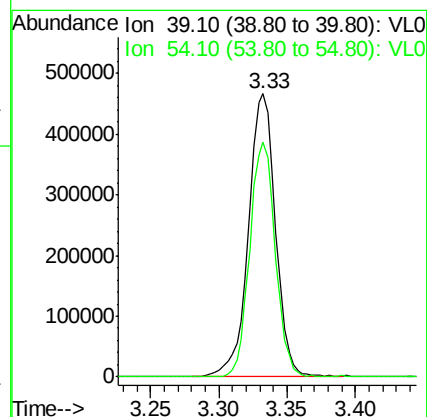
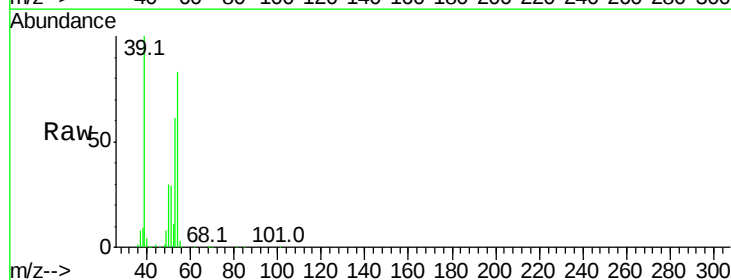
Acq: 13 Aug 2019 9:33

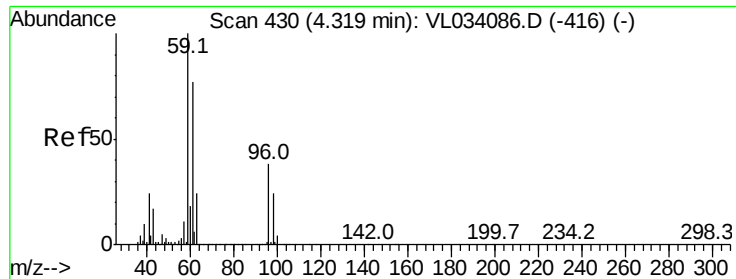
Tgt Ion: 39 Resp: 641275

Ion Ratio Lower Upper

39 100

54 78.7 62.7 94.1





#17

tert-Butyl alcohol

Concen: 6.458 ppbv

RT: 4.32 min Scan# 430

Delta R.T. 0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

Instrument :

MSVOA_L

ClientSampleId :

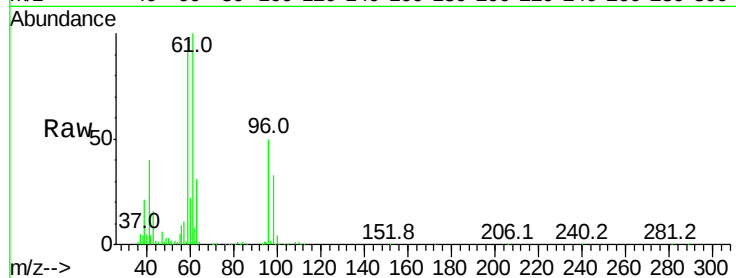
VSTDCCC010EC

Tgt Ion: 59 Resp: 930065

Ion Ratio Lower Upper

59 100

57 10.9 8.4 12.6



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.32

500000

400000

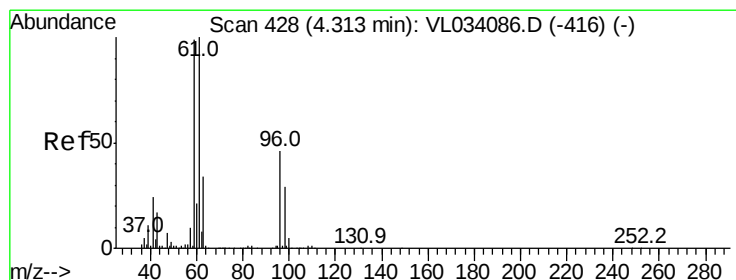
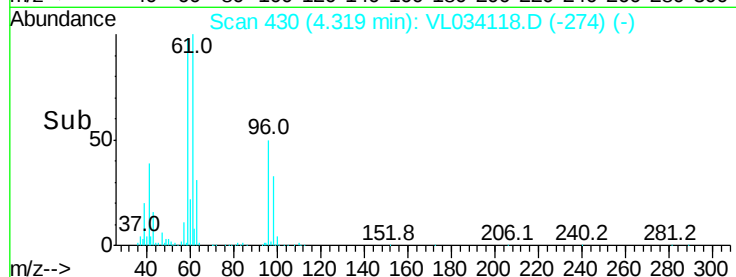
300000

200000

100000

0

Time-->



#18

1,1-Dichloroethene

Concen: 8.239 ppbv

RT: 4.31 min Scan# 428

Delta R.T. 0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

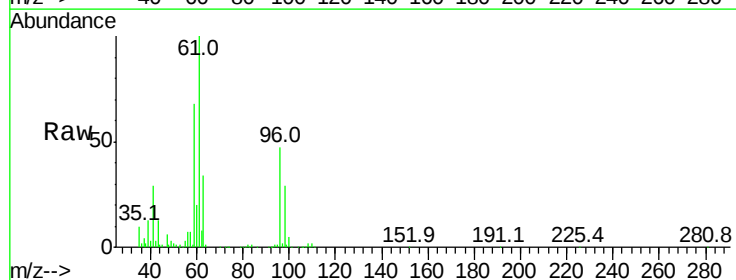
Tgt Ion: 96 Resp: 433343

Ion Ratio Lower Upper

96 100

61 212.6 173.1 259.7

98 62.7 50.3 75.5



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

800000

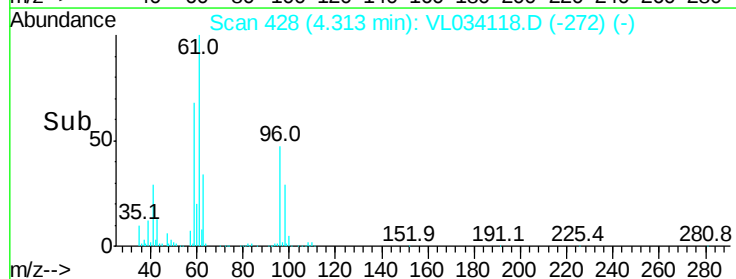
600000

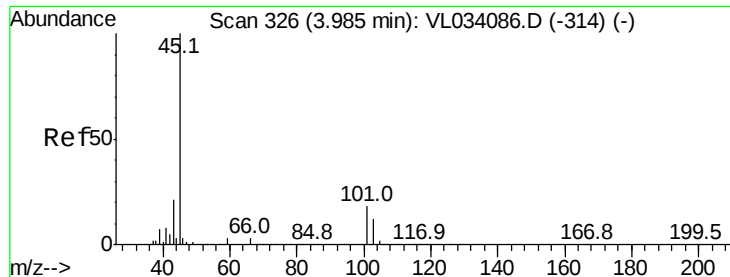
400000

200000

0

Time-->

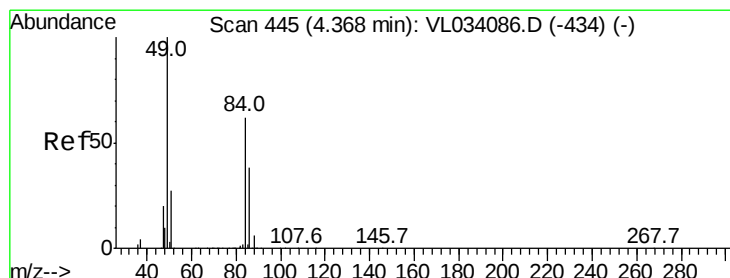
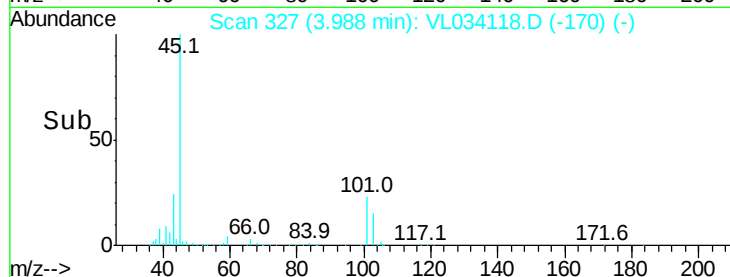
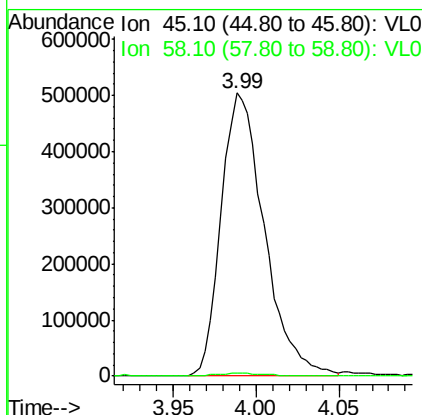
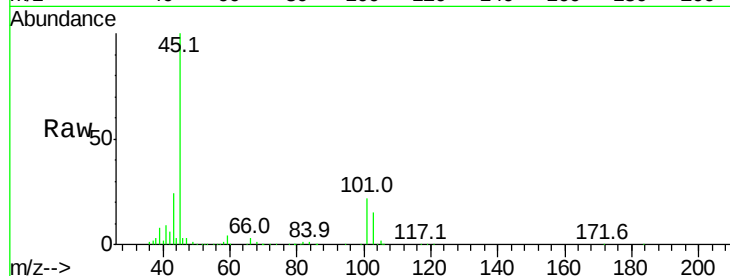




#19
Isopropyl Alcohol
Concen: 7.576 ppbv
RT: 3.99 min Scan# 327
Delta R.T. 0.00 min
Lab File: VL034118.D
Acq: 13 Aug 2019 9:33

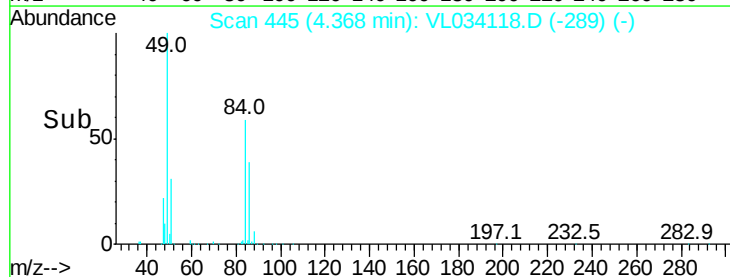
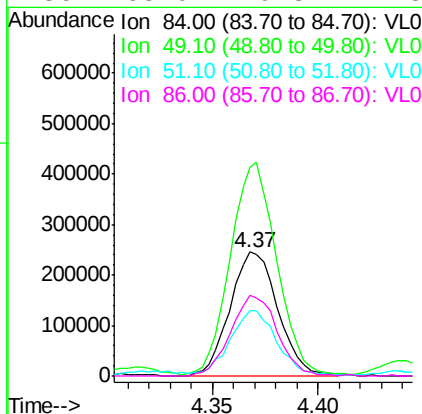
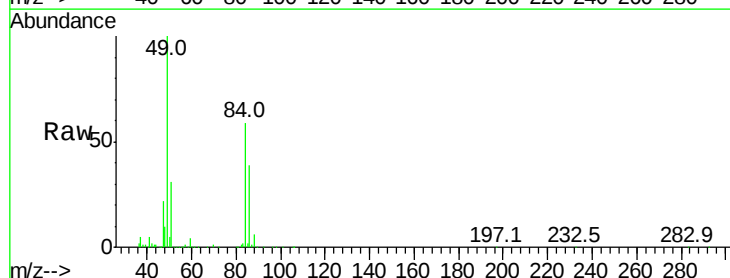
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

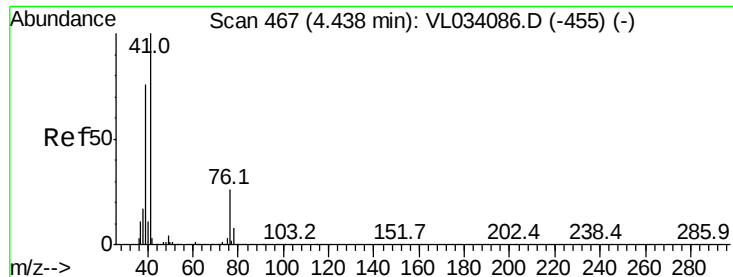
Tgt Ion: 45 Resp: 910444
Ion Ratio Lower Upper
45 100
58 1.4 24.6 37.0#



#20
Methylene Chloride
Concen: 8.261 ppbv
RT: 4.37 min Scan# 445
Delta R.T. 0.00 min
Lab File: VL034118.D
Acq: 13 Aug 2019 9:33

Tgt Ion: 84 Resp: 382372
Ion Ratio Lower Upper
84 100
49 167.4 129.7 194.5
51 51.6 35.8 53.8
86 65.0 49.8 74.8





#21

Allyl Chloride

Concen: 8.143 ppbv

RT: 4.44 min Scan# 467

Delta R.T. 0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

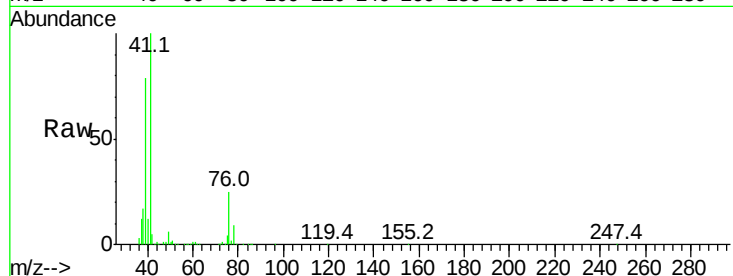
Tgt Ion: 41 Resp: 869915

Ion Ratio Lower Upper

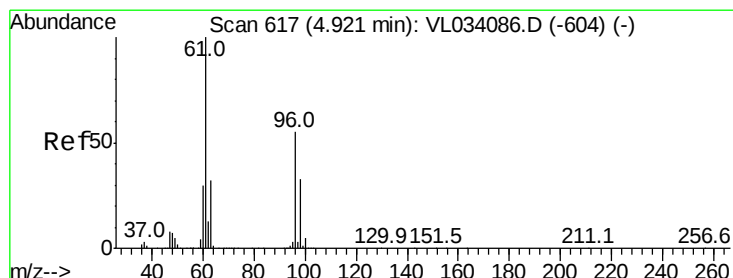
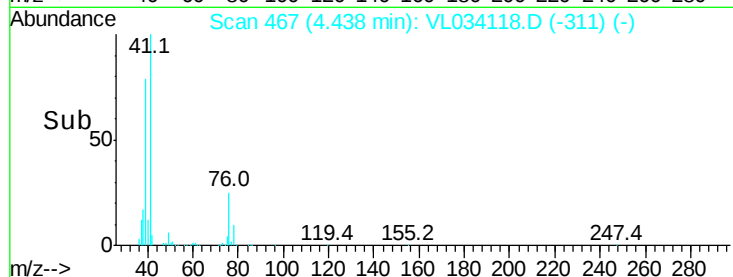
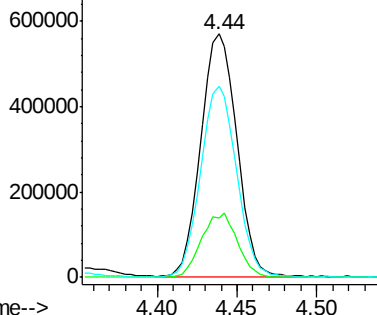
41 100

76 26.4 20.8 31.2

39 78.6 61.3 91.9



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: 8.315 ppbv

RT: 4.92 min Scan# 617

Delta R.T. 0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

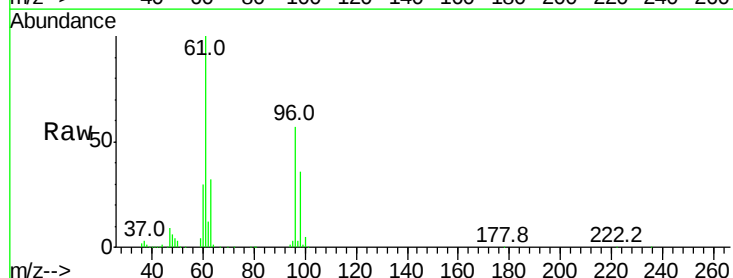
Tgt Ion: 96 Resp: 424943

Ion Ratio Lower Upper

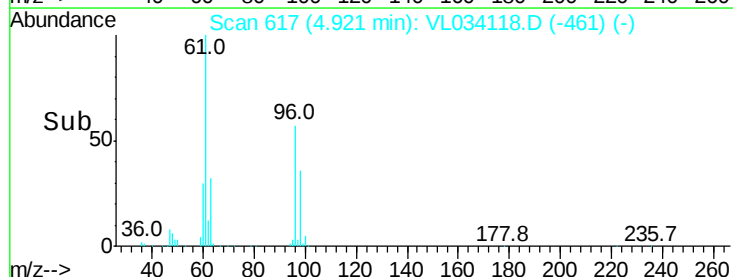
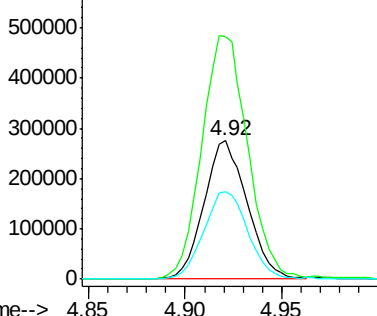
96 100

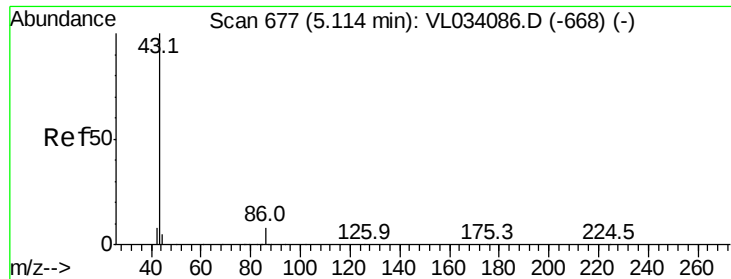
61 175.0 144.2 216.2

98 62.8 48.0 72.0



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: 8.353 ppbv

RT: 5.11 min Scan# 677

Delta R.T. 0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 2137553

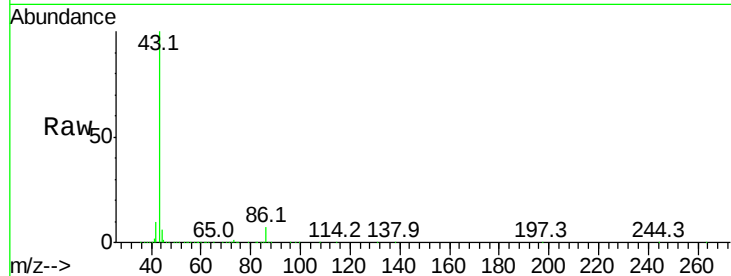
Ion Ratio Lower Upper

43 100

86 6.9 5.4 8.0

42 10.0 7.9 11.9

44 5.7 4.0 6.0

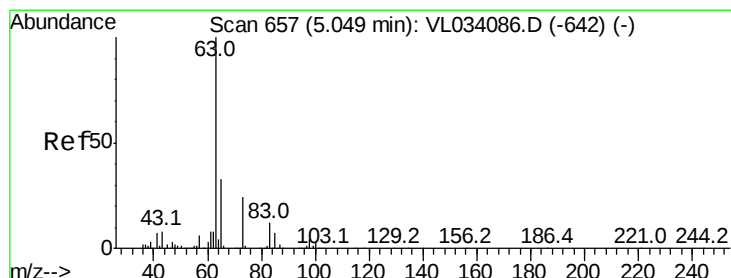
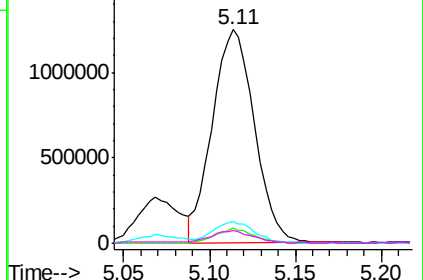
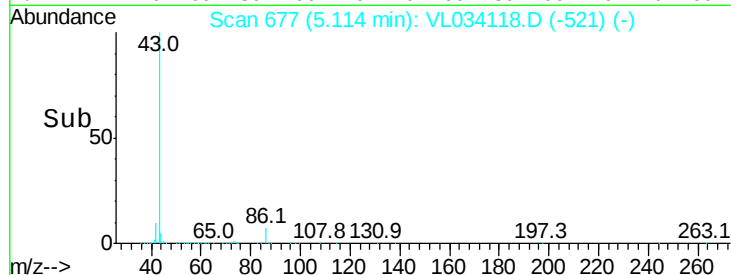


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.967 ppbv

RT: 5.05 min Scan# 657

Delta R.T. 0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

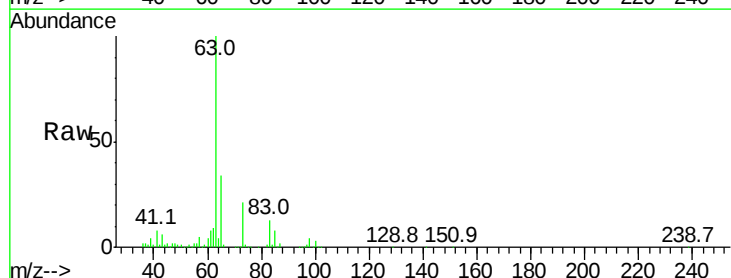
Tgt Ion: 63 Resp: 1365343

Ion Ratio Lower Upper

63 100

98 3.9 2.0 6.0

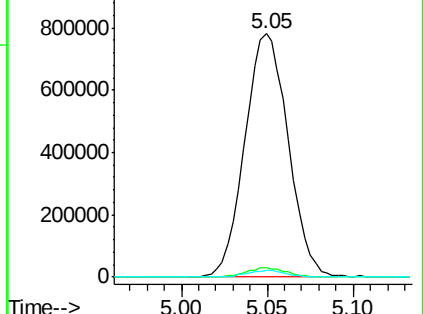
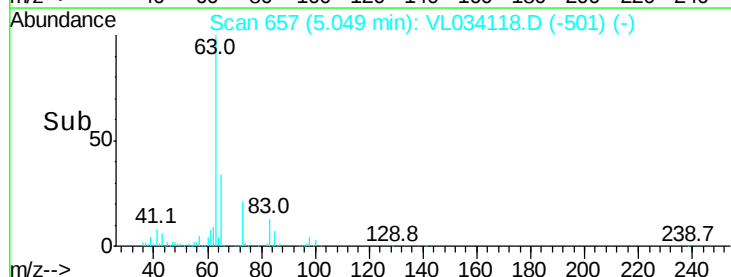
100 2.8 1.3 3.8

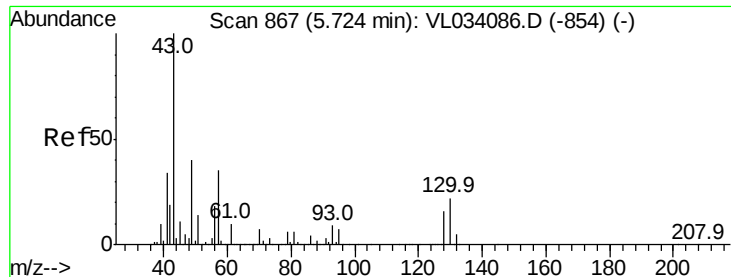


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 8.267 ppbv

RT: 5.72 min Scan# 867

Delta R.T. 0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 2509607

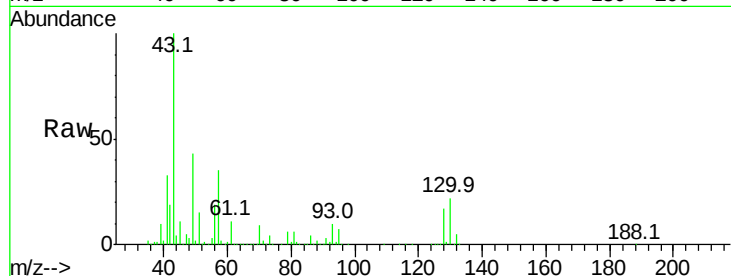
Ion Ratio Lower Upper

43 100

45 10.4 8.4 12.6

61 9.3 7.3 10.9

70 7.3 5.8 8.6

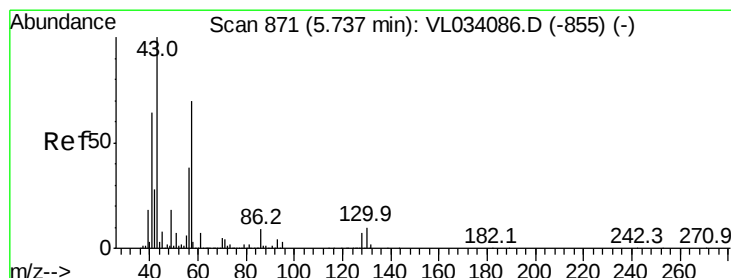
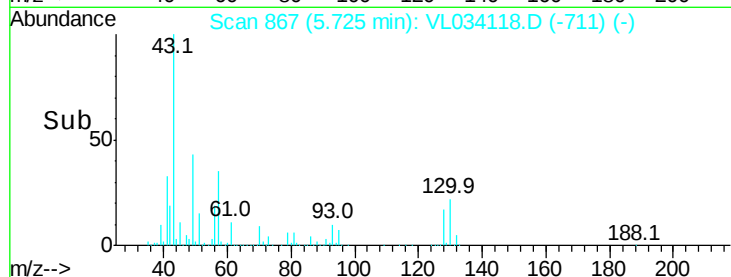
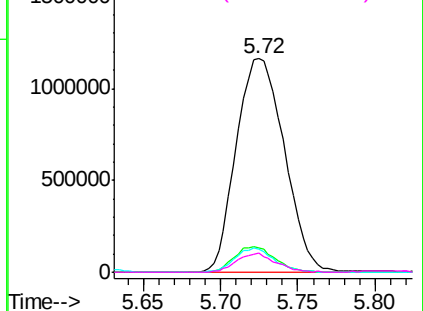


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.408 ppbv

RT: 5.74 min Scan# 871

Delta R.T. 0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

Tgt Ion: 57 Resp: 1081974

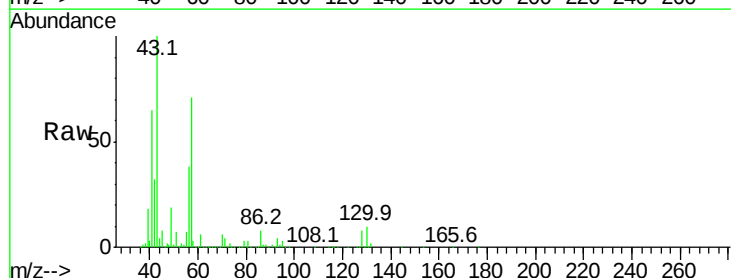
Ion Ratio Lower Upper

57 100

41 94.4 75.7 113.5

43 233.8 189.8 284.8

56 53.5 42.7 64.1

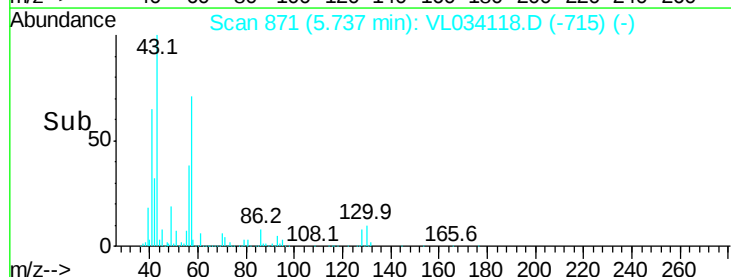
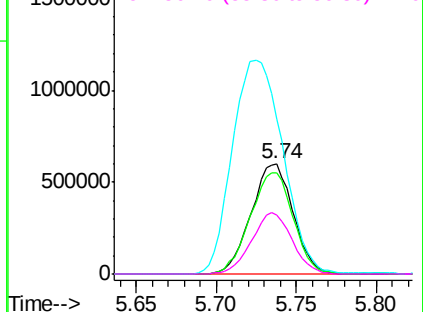


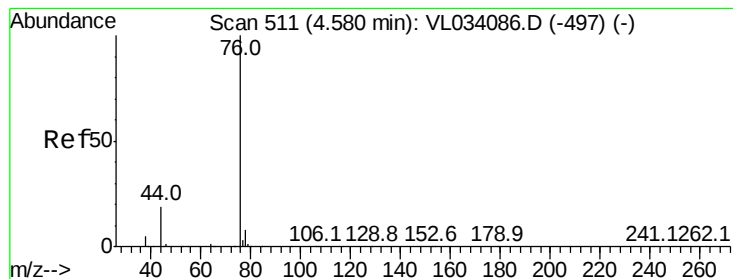
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 8.645 ppbv

RT: 4.58 min Scan# 511

Delta R.T. 0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

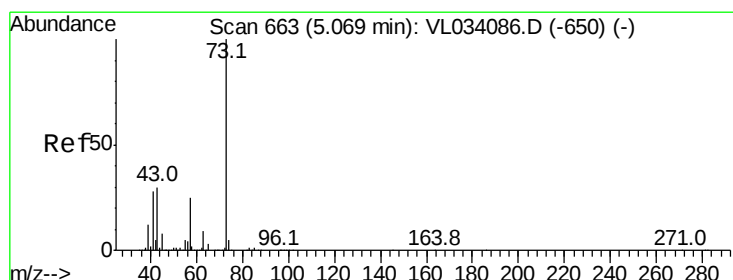
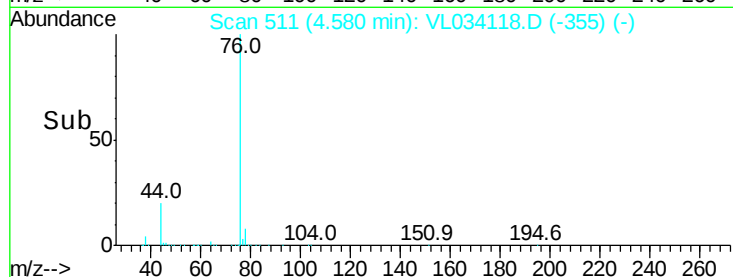
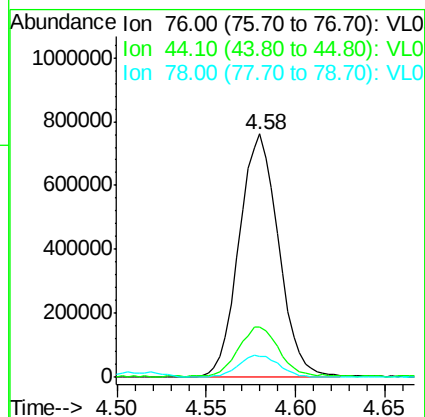
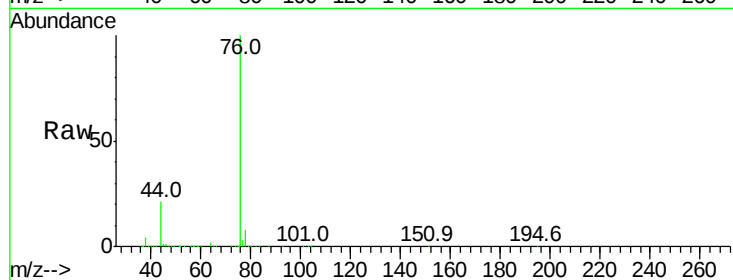
Tgt Ion: 76 Resp: 1172798

Ion Ratio Lower Upper

76 100

44 21.6 17.8 26.6

78 9.3 7.7 11.5



#28

Methyl tert-Butyl Ether

Concen: 7.911 ppbv

RT: 5.07 min Scan# 663

Delta R.T. 0.00 min

Lab File: VL034118.D

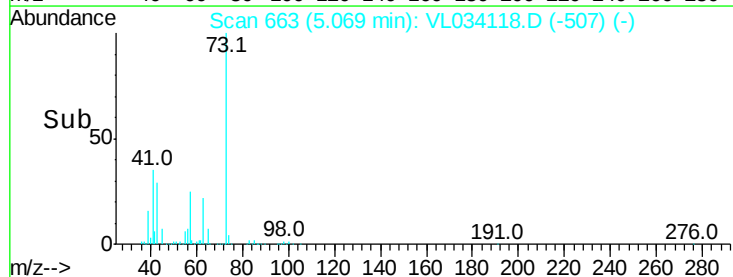
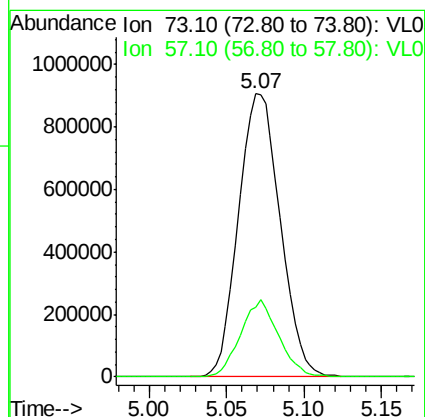
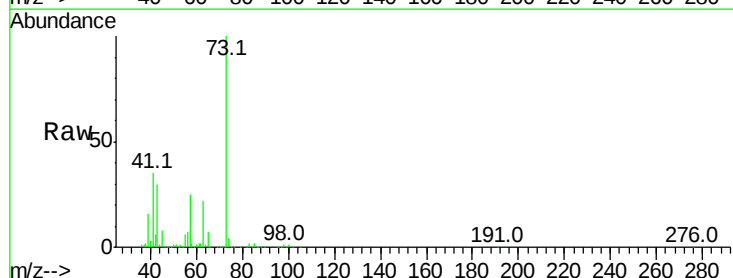
Acq: 13 Aug 2019 9:33

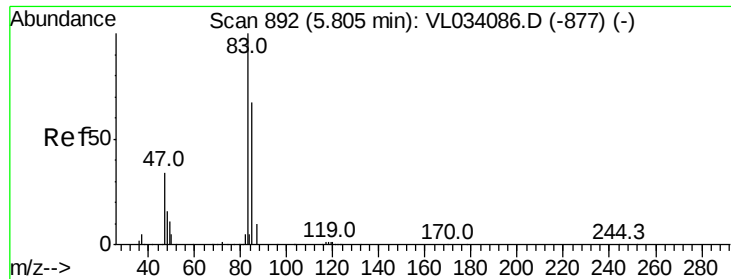
Tgt Ion: 73 Resp: 1702306

Ion Ratio Lower Upper

73 100

57 25.2 19.5 29.3





#29

Chloroform

Concen: 9.005 ppbv

RT: 5.80 min Scan# 892

Delta R.T. 0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

Instrument :

MSVOA_L

ClientSampleId :

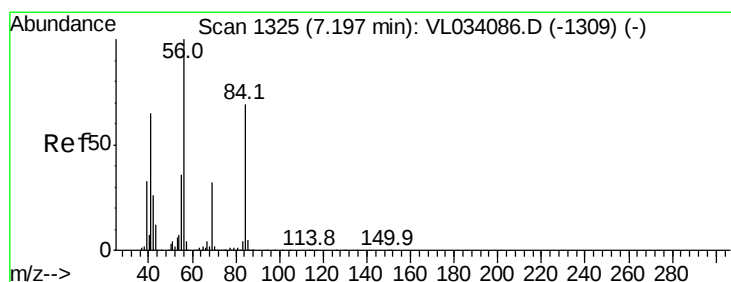
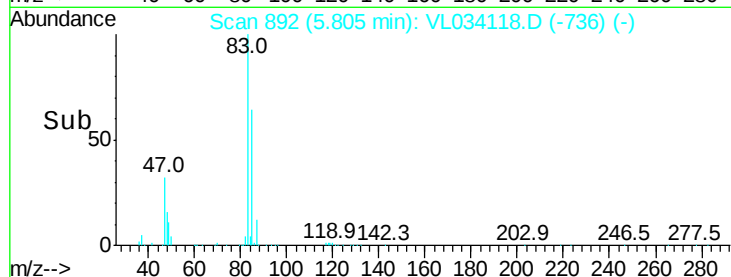
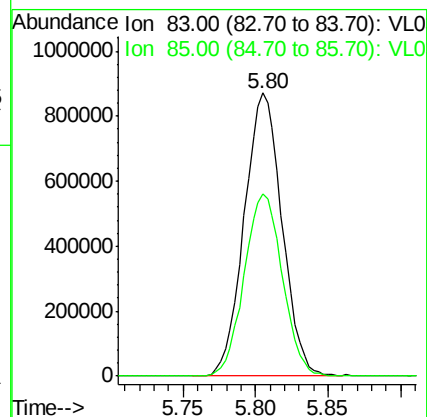
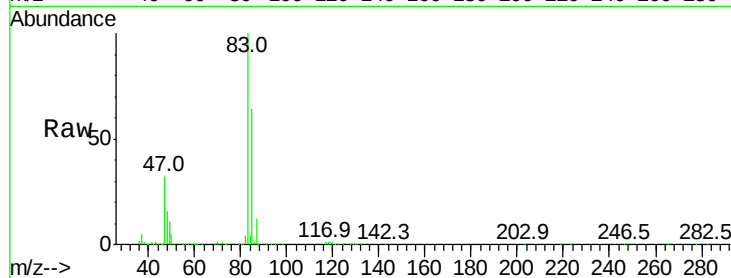
VSTDCCC010EC

Tgt Ion: 83 Resp: 1575112

Ion Ratio Lower Upper

83 100

85 64.4 53.2 79.8



#30

Cyclohexane

Concen: 8.751 ppbv

RT: 7.20 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

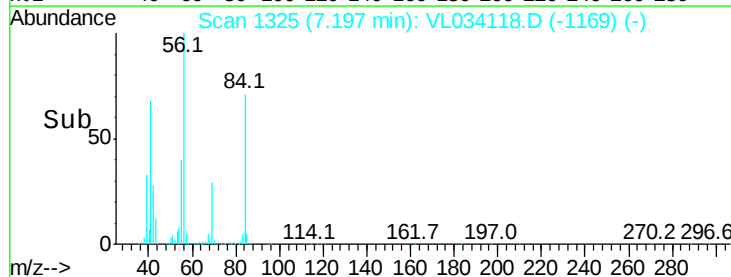
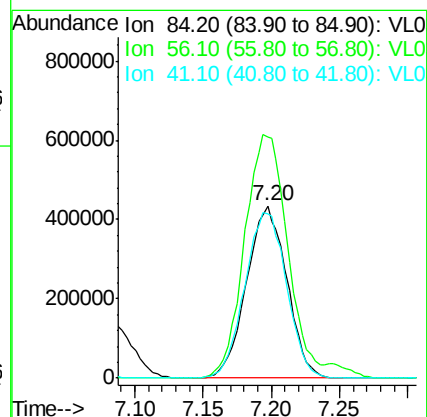
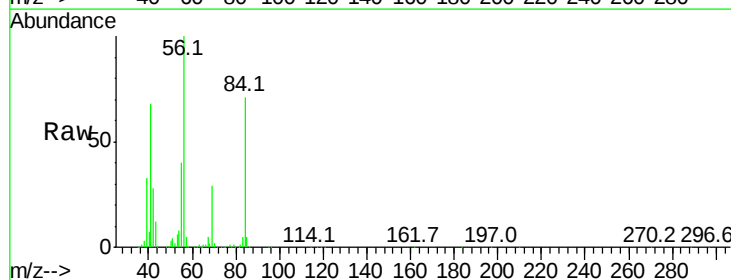
Tgt Ion: 84 Resp: 889535

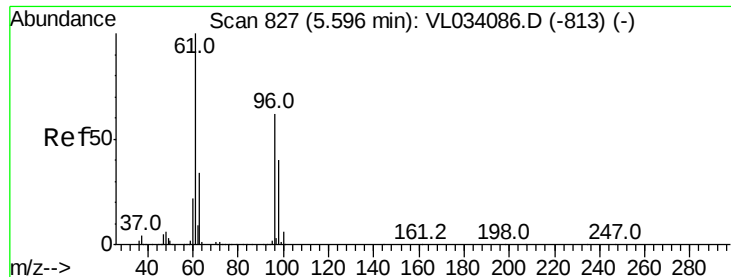
Ion Ratio Lower Upper

84 100

56 155.7 122.6 184.0

41 100.2 80.1 120.1





#31

cis-1,2-Dichloroethene

Concen: 9.229 ppbv

RT: 5.60 min Scan# 828

Delta R.T. 0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

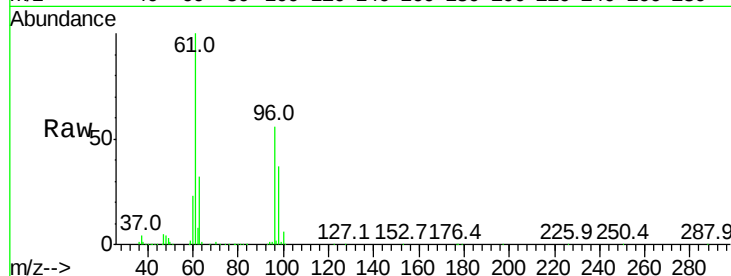
Tgt Ion: 61 Resp: 1173062

Ion Ratio Lower Upper

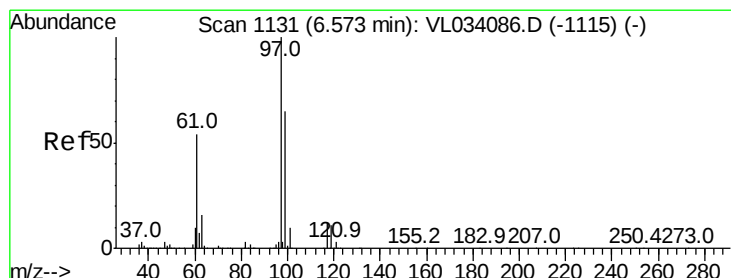
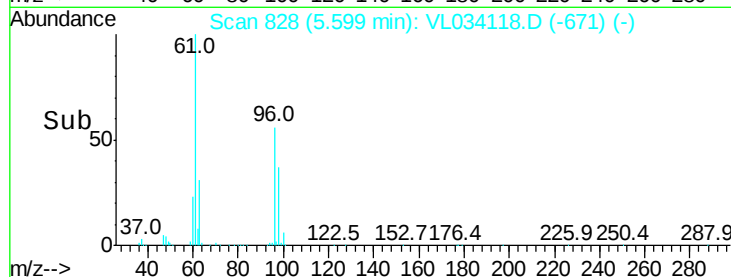
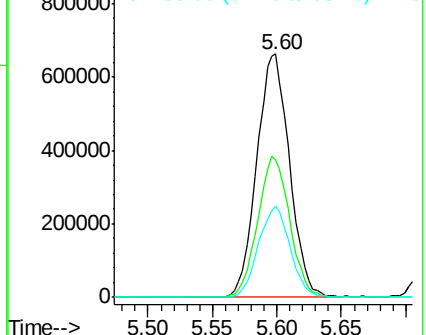
61 100

96 56.1 49.3 73.9

98 37.5 32.4 48.6



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 8.535 ppbv

RT: 6.57 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

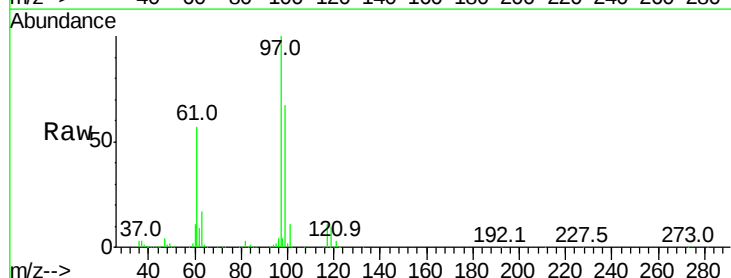
Tgt Ion: 97 Resp: 1477593

Ion Ratio Lower Upper

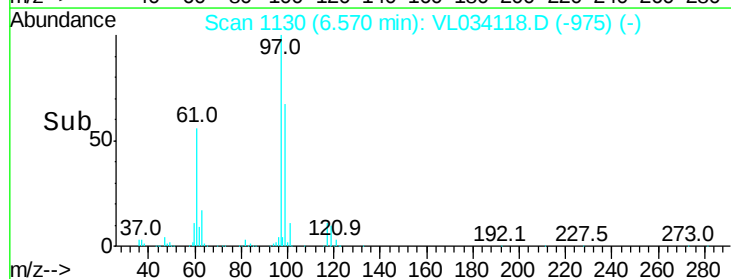
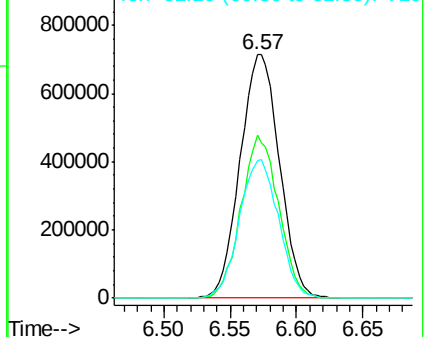
97 100

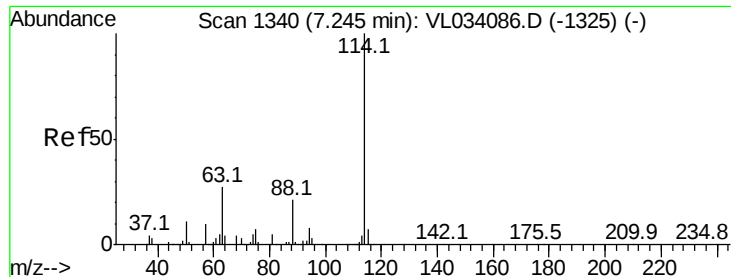
99 63.8 52.2 78.4

61 56.7 42.0 63.0



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0

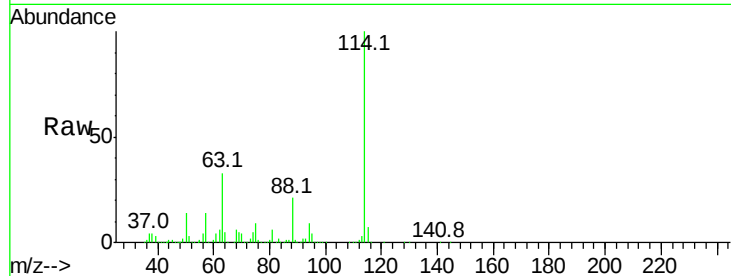




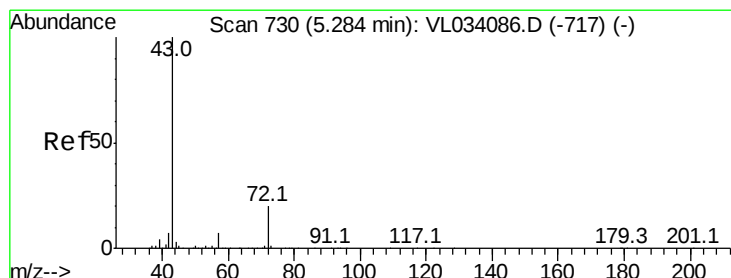
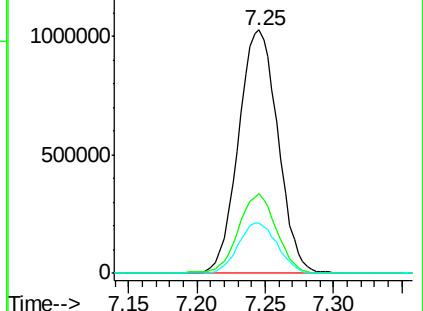
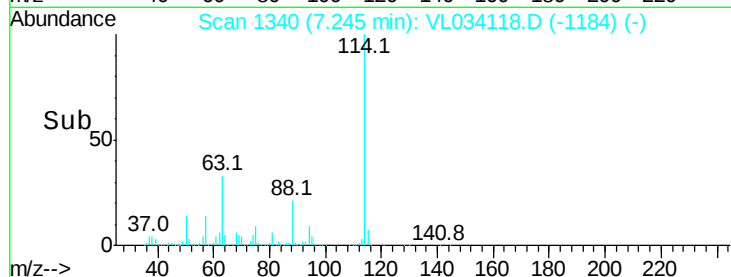
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.25 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VL034118.D
 Acq: 13 Aug 2019 9:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:114 Resp: 2061765
 Ion Ratio Lower Upper
 114 100
 63 31.9 22.5 33.7
 88 20.6 15.7 23.5

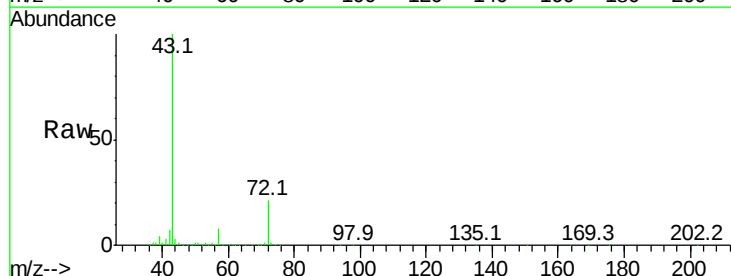


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

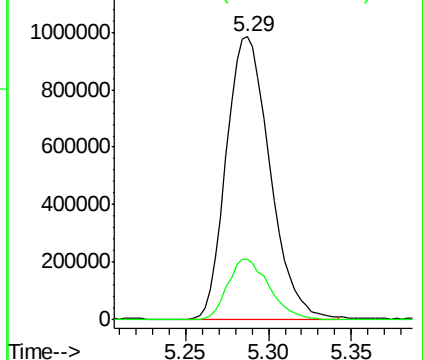
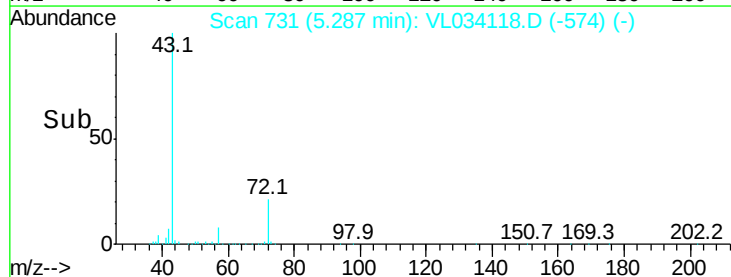


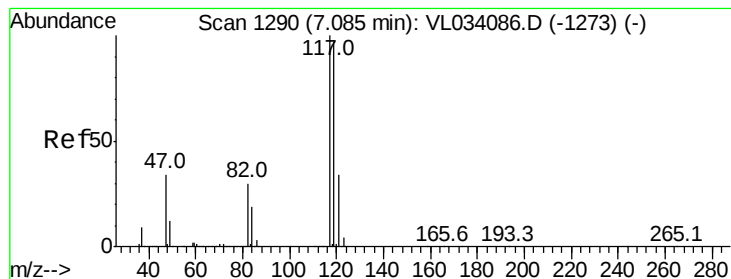
#34
 2-Butanone
 Concen: 9.363 ppbv
 RT: 5.29 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VL034118.D
 Acq: 13 Aug 2019 9:33

Tgt Ion: 43 Resp: 1794646
 Ion Ratio Lower Upper
 43 100
 72 21.0 16.0 24.0



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





#35

Carbon Tetrachloride

Concen: 8.943 ppbv

RT: 7.08 min Scan# 1290

Delta R.T. 0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

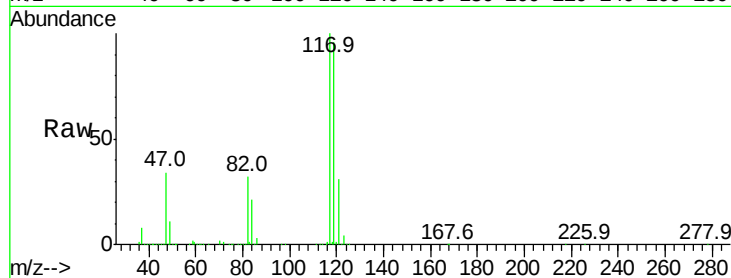
Tgt Ion:117 Resp: 1415156

Ion Ratio Lower Upper

117 100

119 96.2 77.8 116.6

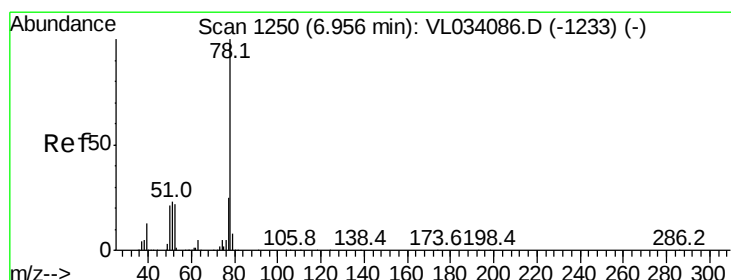
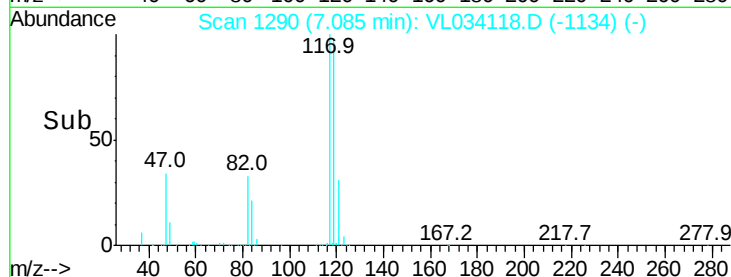
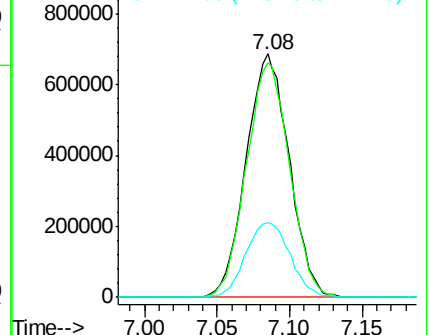
121 30.6 27.4 41.2



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: 9.240 ppbv

RT: 6.96 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

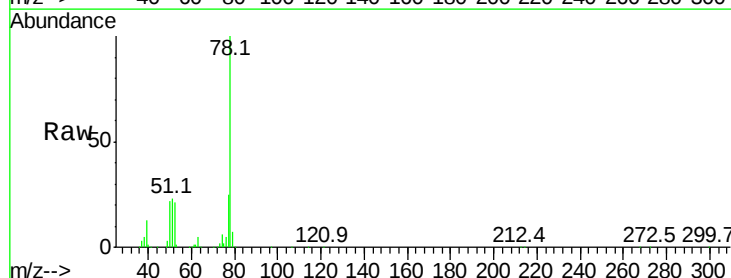
Tgt Ion: 78 Resp: 2165343

Ion Ratio Lower Upper

78 100

77 24.6 19.9 29.9

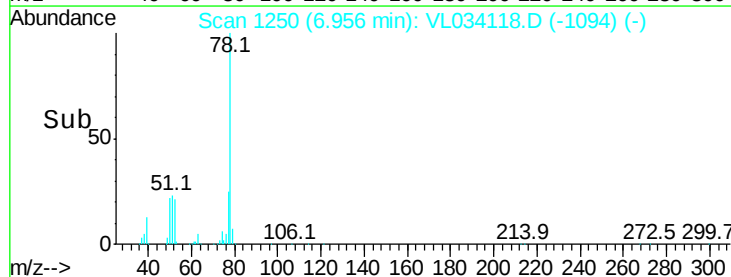
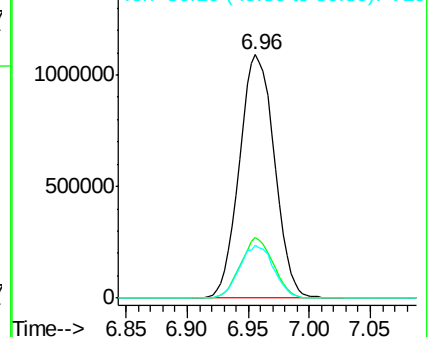
50 21.7 16.7 25.1

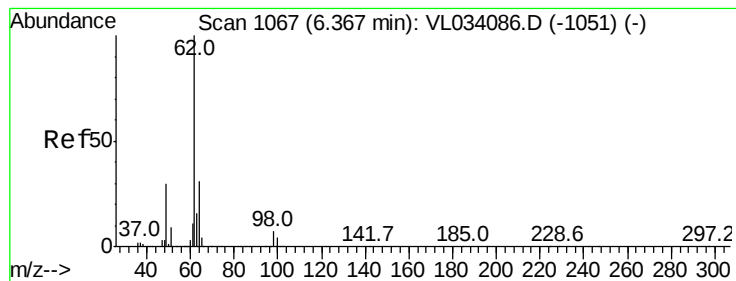


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.458 ppbv

RT: 6.37 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

Instrument :

MSVOA_L

ClientSampleId :

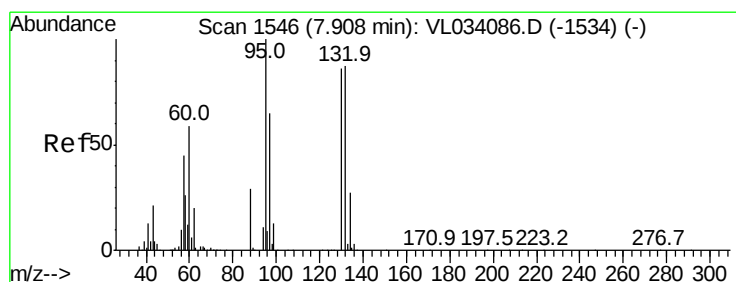
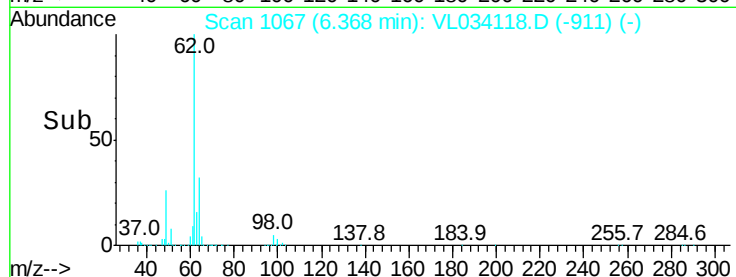
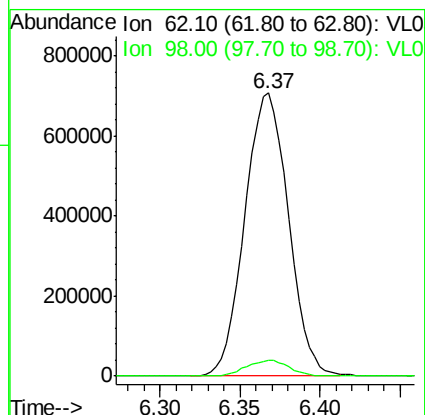
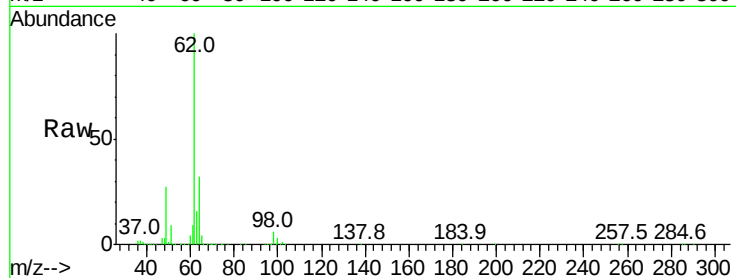
VSTDCCC010EC

Tgt Ion: 62 Resp: 1318534

Ion Ratio Lower Upper

62 100

98 5.6 4.9 7.3



#38

Trichloroethene

Concen: 7.609 ppbv

RT: 7.91 min Scan# 1546

Delta R.T. 0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

Tgt Ion: 130 Resp: 690585

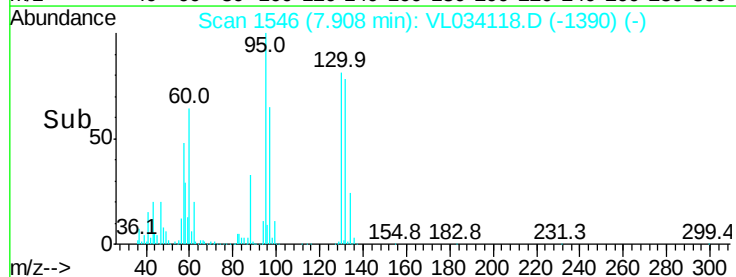
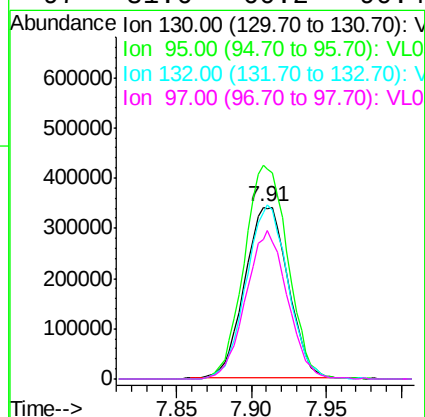
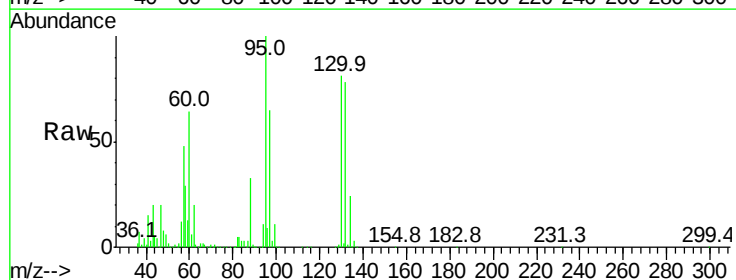
Ion Ratio Lower Upper

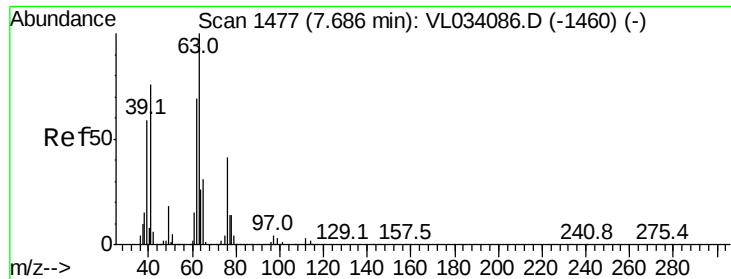
130 100

95 124.6 92.1 138.1

132 96.9 79.7 119.5

97 81.6 60.2 90.4





#39

1,2-Dichloropropane

Concen: 9.847 ppbv

RT: 7.69 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

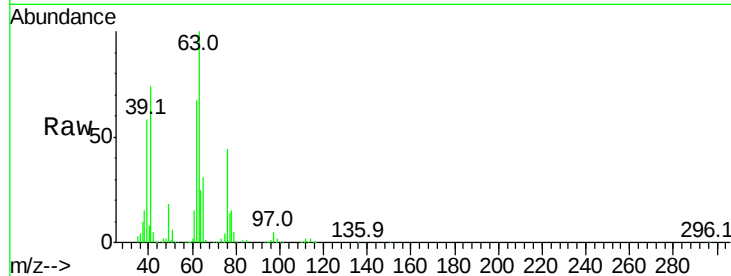
Tgt Ion: 63 Resp: 931124

Ion Ratio Lower Upper

63 100

41 73.5 60.6 91.0

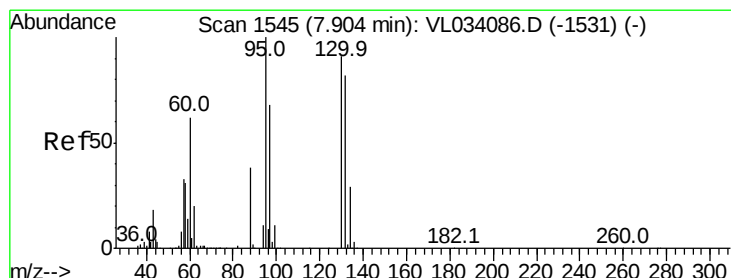
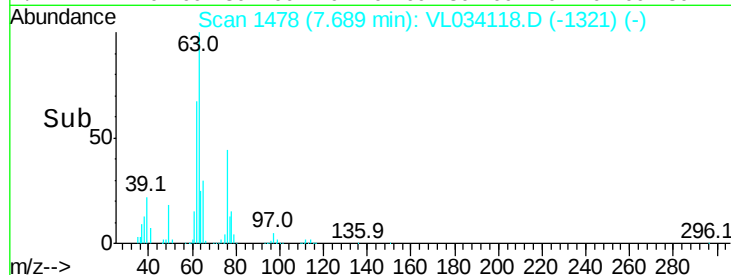
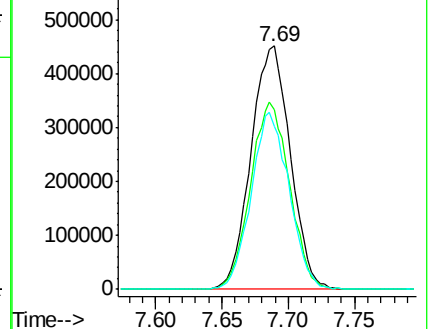
62 67.0 55.0 82.6



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: 8.786 ppbv

RT: 7.91 min Scan# 1546

Delta R.T. 0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

Tgt Ion: 88 Resp: 313472

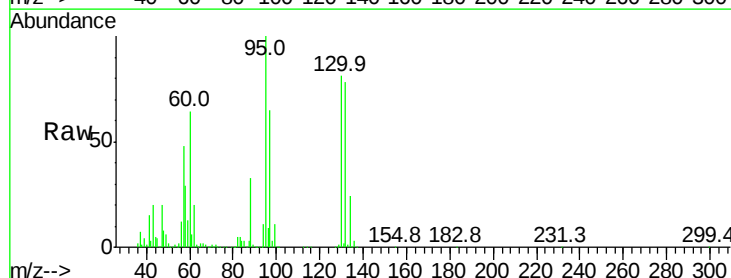
Ion Ratio Lower Upper

88 100

58 149.0 113.0 169.4

43 0.0 0.0 0.0

57 0.0 0.0 0.0

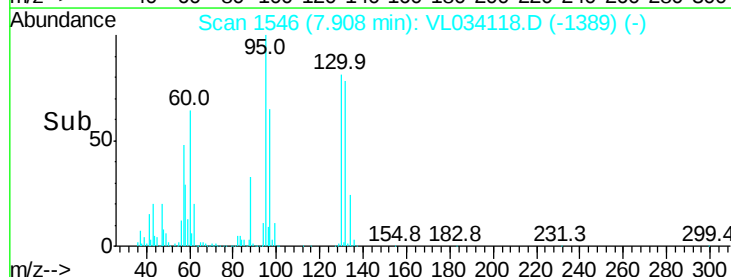
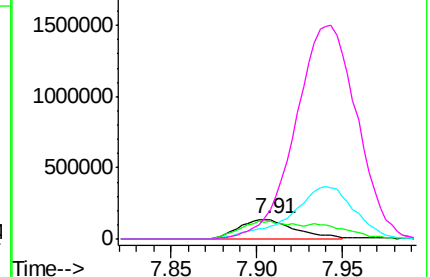


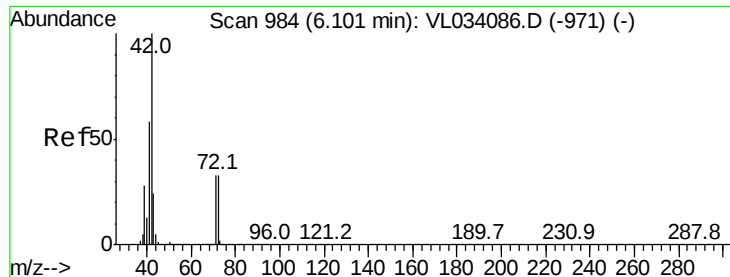
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

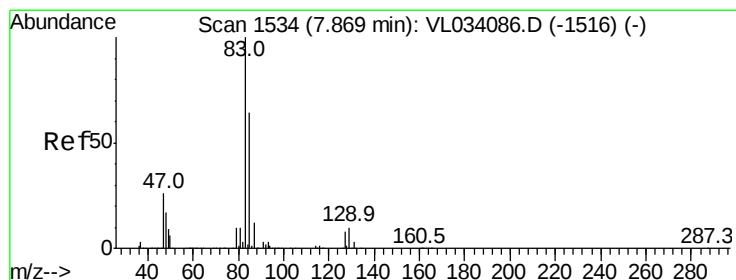
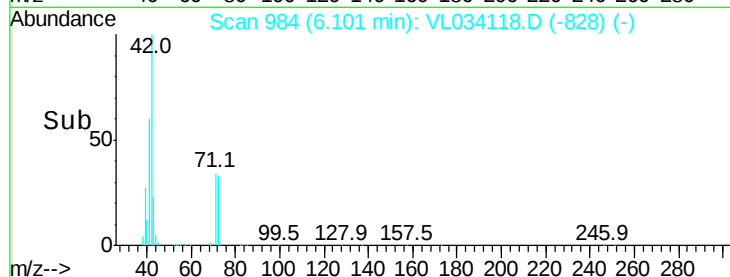
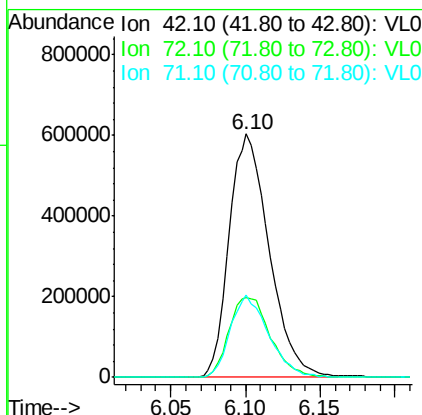
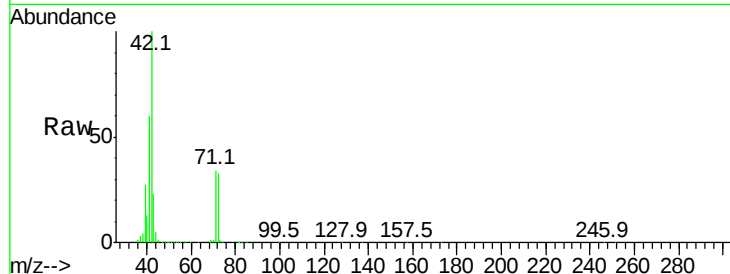




#41
Tetrahydrofuran
Concen: 9.547 ppbv
RT: 6.10 min Scan# 984
Delta R.T. 0.00 min
Lab File: VL034118.D
Acq: 13 Aug 2019 9:33

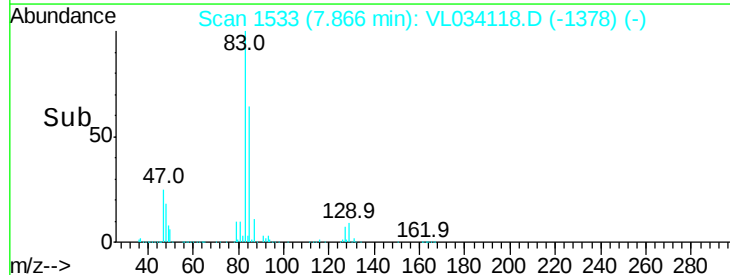
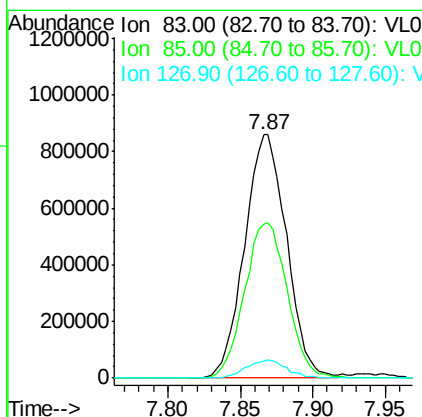
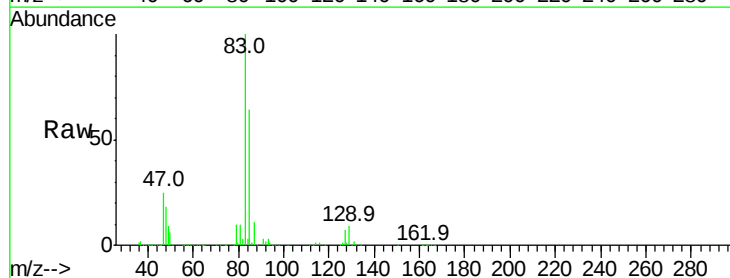
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

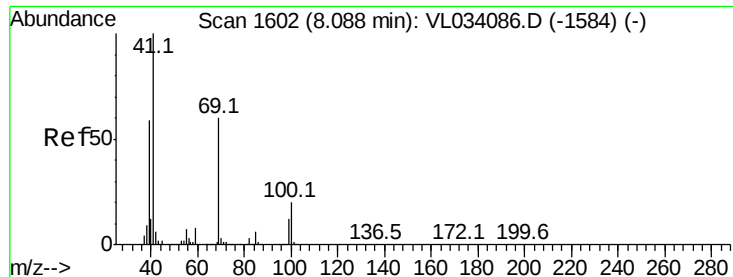
Tgt Ion: 42 Resp: 1125731
Ion Ratio Lower Upper
42 100
72 34.3 26.9 40.3
71 32.6 26.5 39.7



#42
Bromodichloromethane
Concen: 9.806 ppbv
RT: 7.87 min Scan# 1533
Delta R.T. -0.00 min
Lab File: VL034118.D
Acq: 13 Aug 2019 9:33

Tgt Ion: 83 Resp: 1733317
Ion Ratio Lower Upper
83 100
85 63.5 50.9 76.3
127 7.2 6.1 9.1

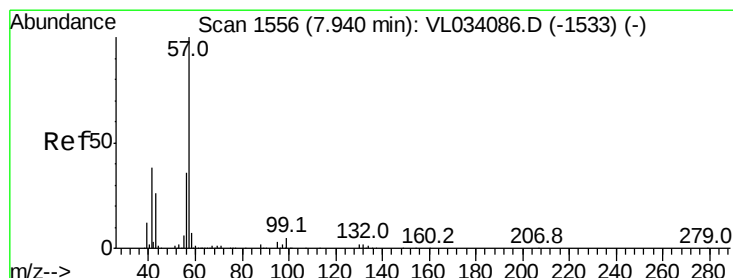
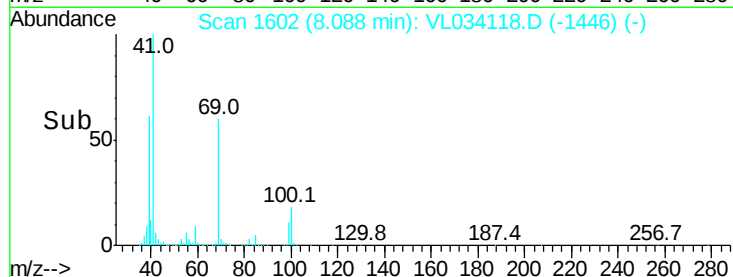
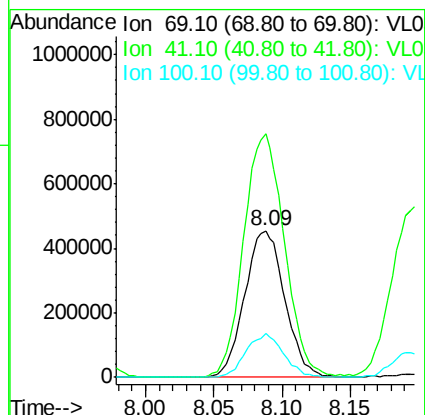
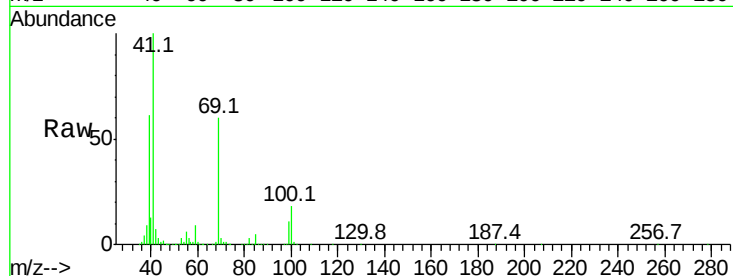




#43
Methyl Methacrylate
Concen: 9.634 ppbv
RT: 8.09 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VL034118.D
Acq: 13 Aug 2019 9:33

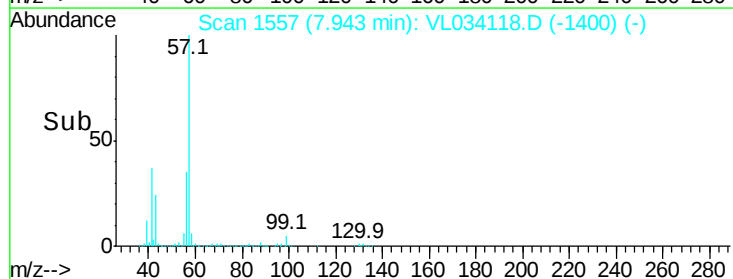
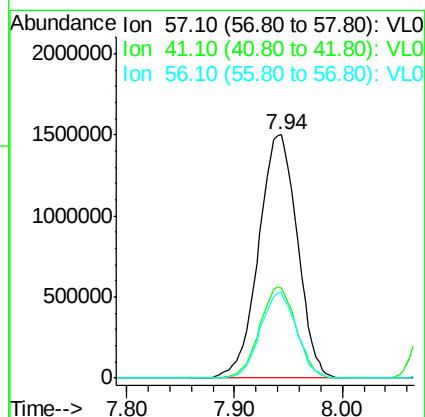
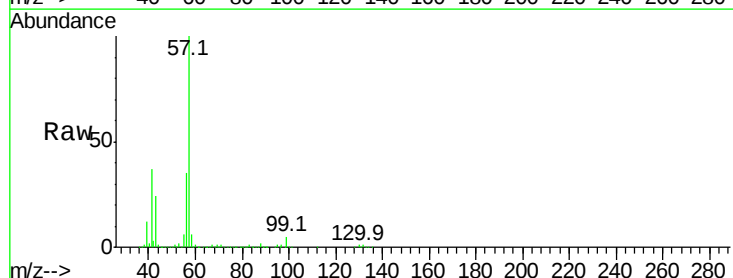
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

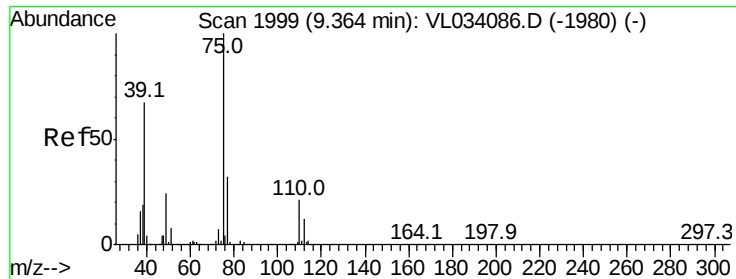
Tgt Ion: 69 Resp: 926055
Ion Ratio Lower Upper
69 100
41 168.7 132.9 199.3
100 28.1 25.8 38.8



#44
2,2,4-Trimethylpentane
Concen: 8.899 ppbv
RT: 7.94 min Scan# 1557
Delta R.T. 0.00 min
Lab File: VL034118.D
Acq: 13 Aug 2019 9:33

Tgt Ion: 57 Resp: 3733757
Ion Ratio Lower Upper
57 100
41 35.5 29.2 43.8
56 32.9 26.7 40.1





#45

t-1,3-Dichloropropene

Concen: 9.690 ppbv

RT: 9.36 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

Instrument :

MSVOA_L

ClientSampleId :

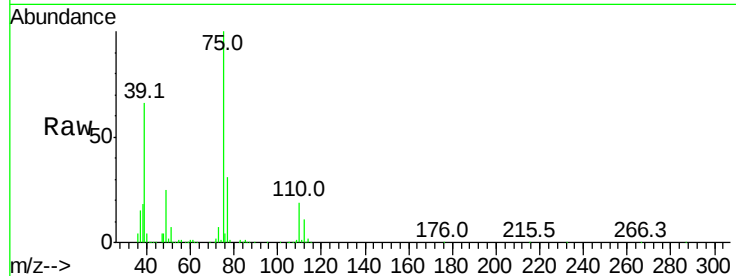
VSTDCCC010EC

Tgt Ion: 75 Resp: 1180736

Ion Ratio Lower Upper

75 100

77 31.4 25.7 38.5



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.36

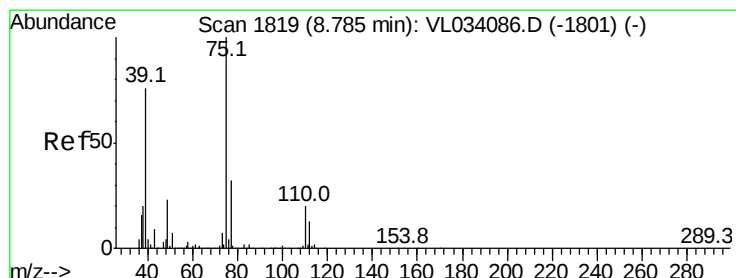
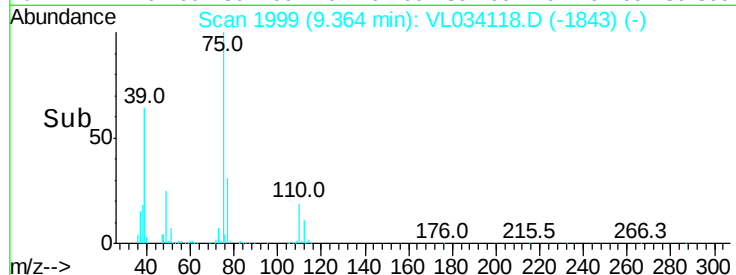
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 9.601 ppbv

RT: 8.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

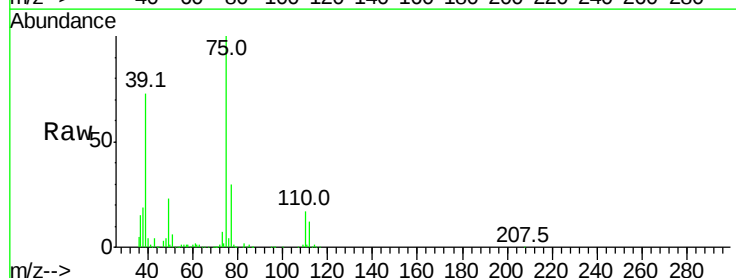
Tgt Ion: 75 Resp: 1350058

Ion Ratio Lower Upper

75 100

39 73.4 61.0 91.4

77 29.6 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

8.78

800000

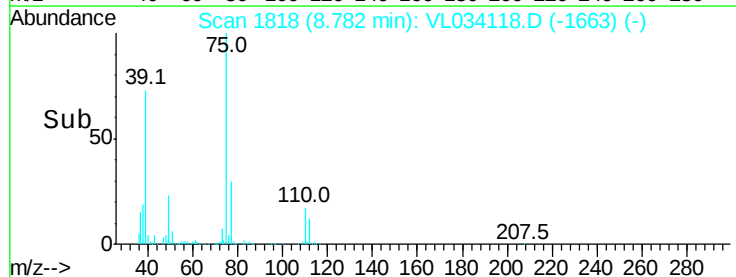
600000

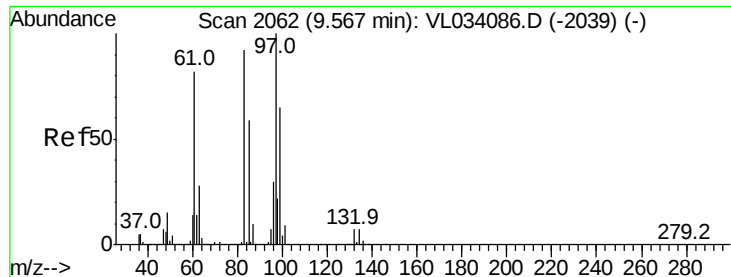
400000

200000

0

Time-->





#47

1,1,2-Trichloroethane

Concen: 3.930 ppbv

RT: 9.57 min Scan# 2062

Delta R.T. 0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 97 Resp: 355255

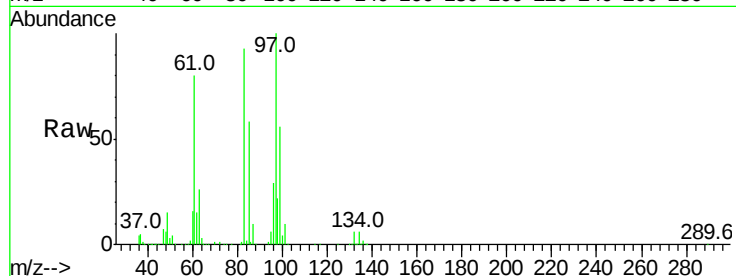
Ion Ratio Lower Upper

97 100

83 92.9 74.0 111.0

85 58.1 47.1 70.7

99 55.6 51.9 77.9

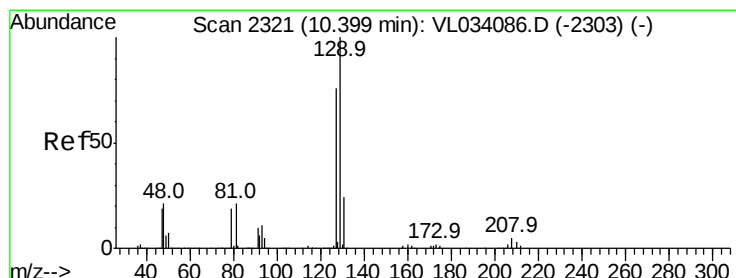
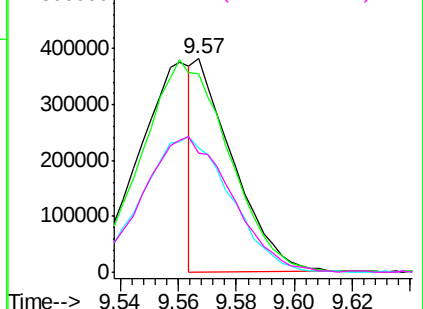
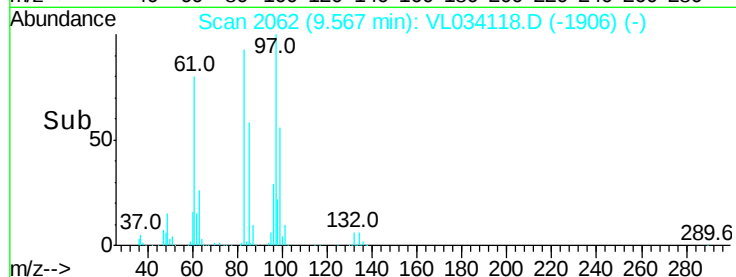


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 9.172 ppbv

RT: 10.40 min Scan# 2320

Delta R.T. -0.00 min

Lab File: VL034118.D

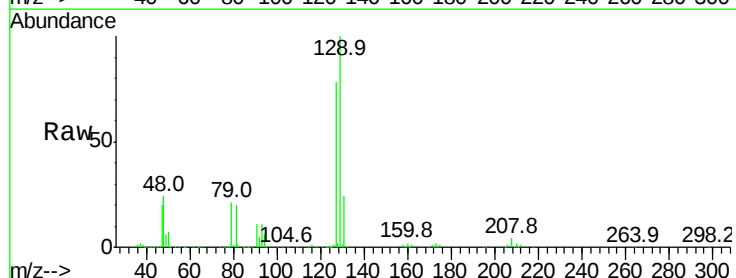
Acq: 13 Aug 2019 9:33

Tgt Ion: 129 Resp: 1329362

Ion Ratio Lower Upper

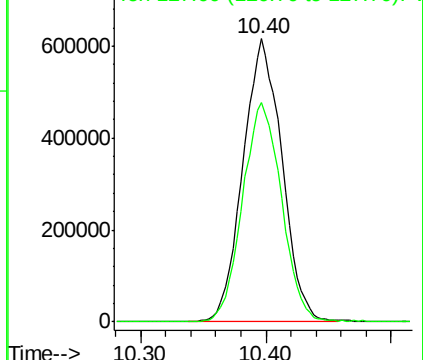
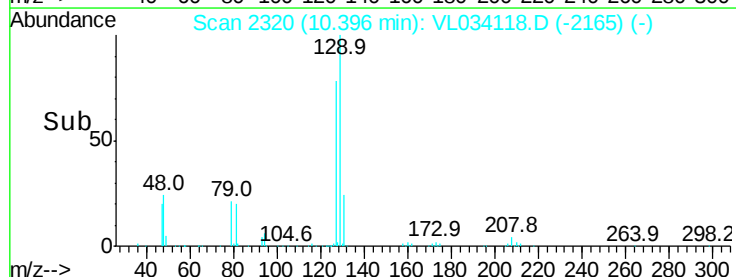
129 100

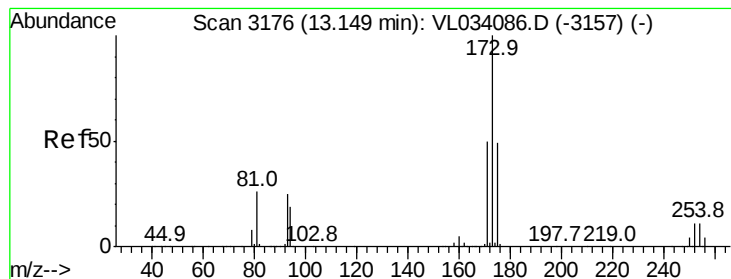
127 77.9 39.4 118.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 8.781 ppbv

RT: 13.15 min Scan# 3175

Delta R.T. -0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

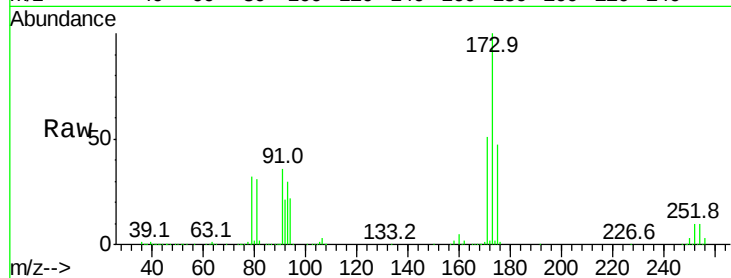
Tgt Ion:173 Resp: 1138023

Ion Ratio Lower Upper

173 100

175 49.0 39.8 59.8

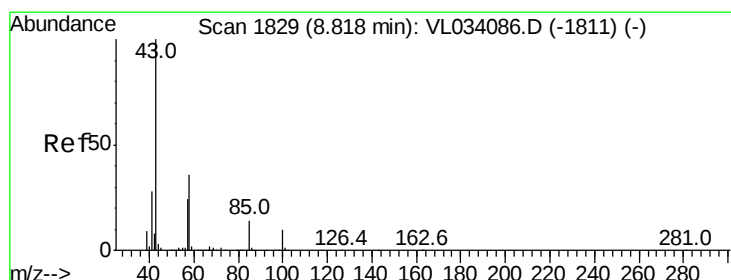
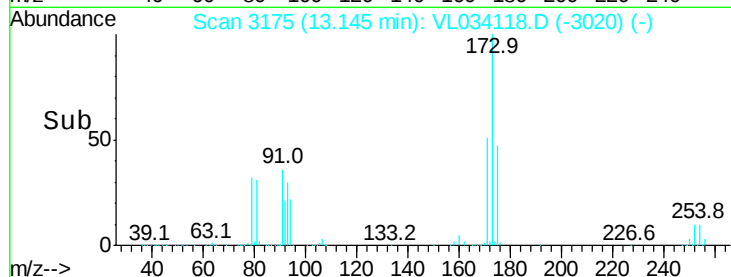
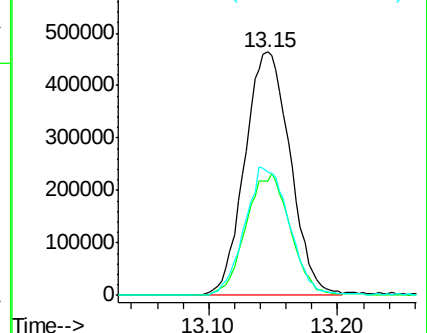
171 51.7 42.7 64.1



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.066 ppbv

RT: 8.82 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VL034118.D

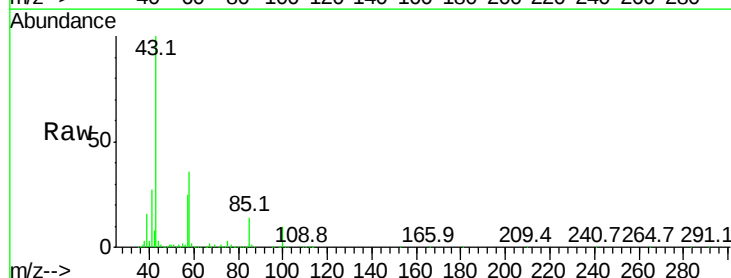
Acq: 13 Aug 2019 9:33

Tgt Ion: 43 Resp: 2644892

Ion Ratio Lower Upper

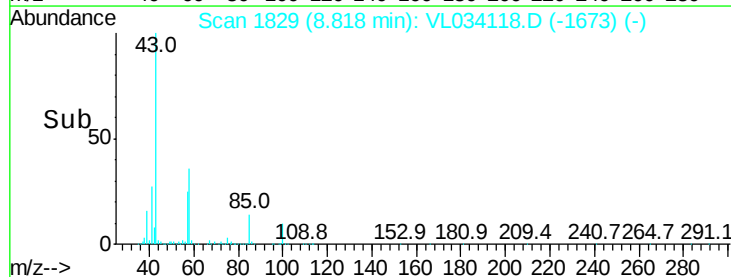
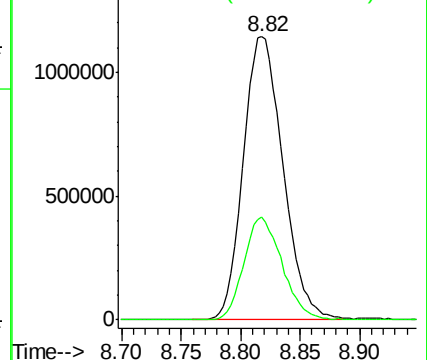
43 100

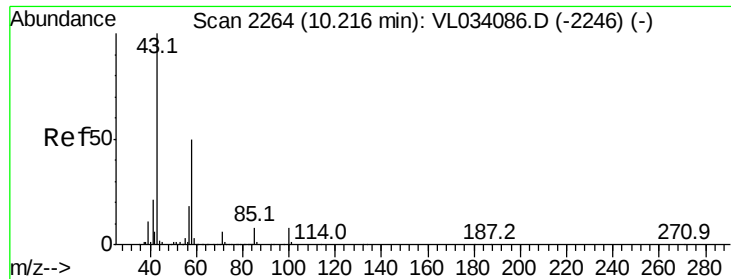
58 35.1 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

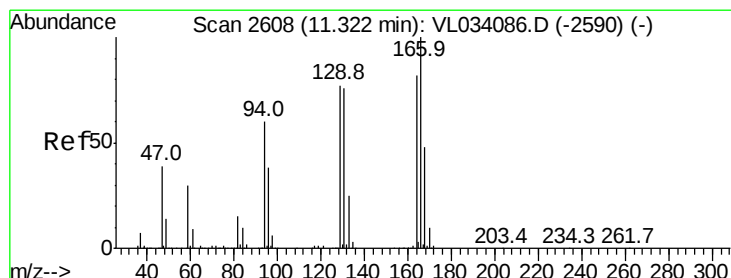
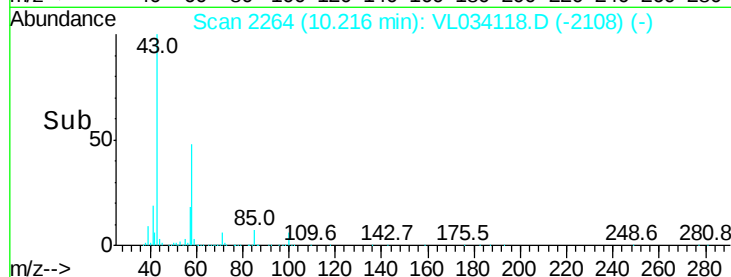
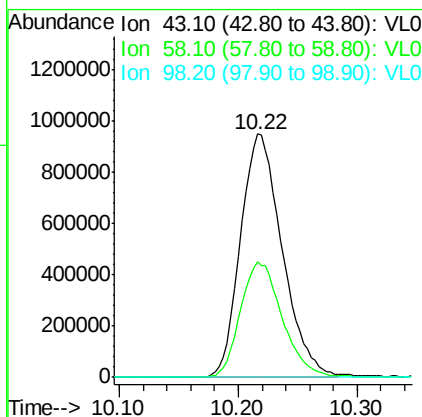
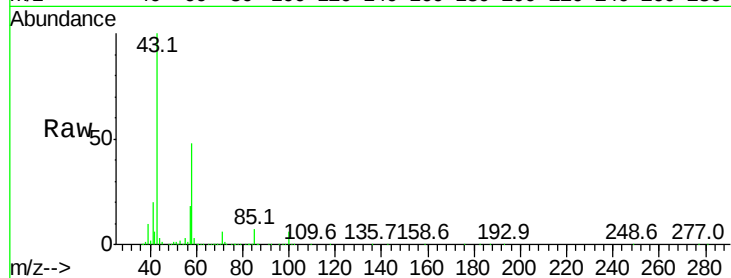




#51
2-Hexanone
Concen: 9.370 ppbv
RT: 10.22 min Scan# 2264
Delta R.T. 0.00 min
Lab File: VL034118.D
Acq: 13 Aug 2019 9:33

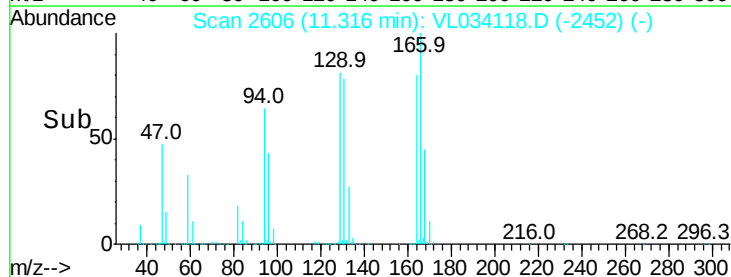
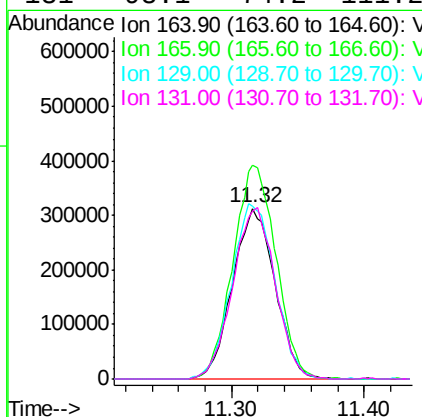
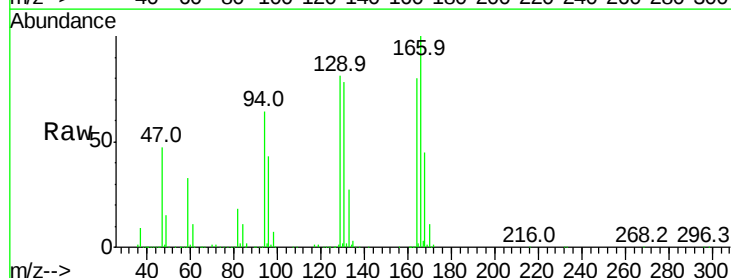
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

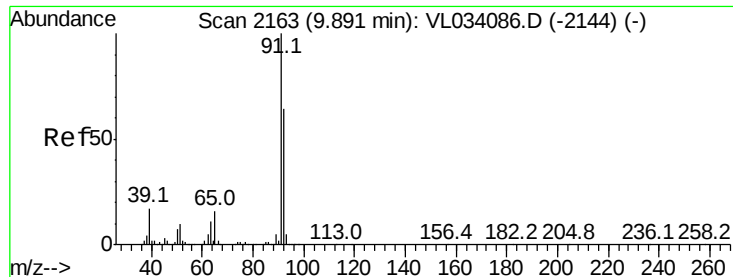
Tgt Ion: 43 Resp: 2297208
Ion Ratio Lower Upper
43 100
58 48.1 38.5 57.7
98 0.1 0.0 0.0#



#52
Tetrachloroethene
Concen: 7.633 ppbv
RT: 11.32 min Scan# 2606
Delta R.T. -0.01 min
Lab File: VL034118.D
Acq: 13 Aug 2019 9:33

Tgt Ion: 164 Resp: 690782
Ion Ratio Lower Upper
164 100
166 125.1 96.8 145.2
129 101.2 74.9 112.3
131 98.1 74.2 111.2





#53

Toluene

Concen: 8.879 ppbv

RT: 9.89 min Scan# 2163

Delta R.T. 0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

Instrument :

MSVOA_L

ClientSampleId :

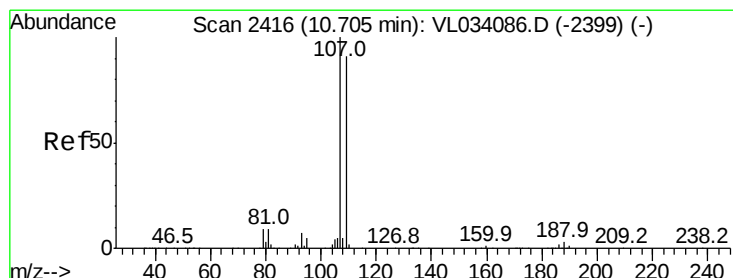
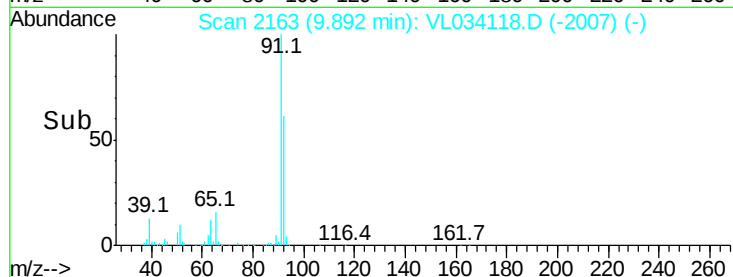
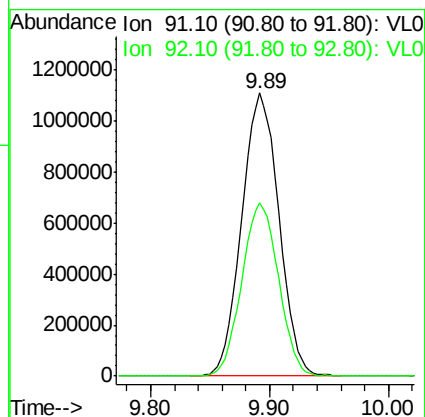
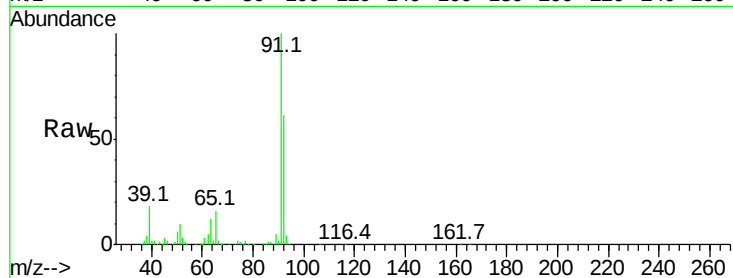
VSTDCCC010EC

Tgt Ion: 91 Resp: 2401106

Ion Ratio Lower Upper

91 100

92 60.7 50.3 75.5



#54

1,2-Dibromoethane

Concen: 9.236 ppbv

RT: 10.70 min Scan# 2415

Delta R.T. -0.00 min

Lab File: VL034118.D

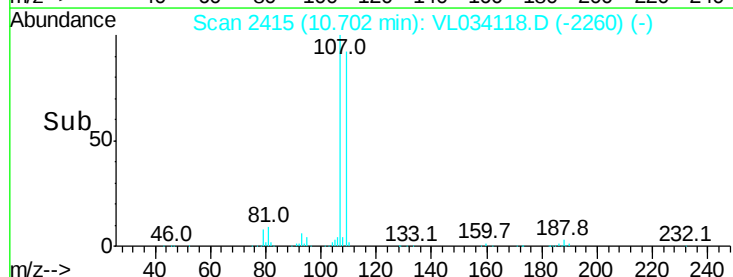
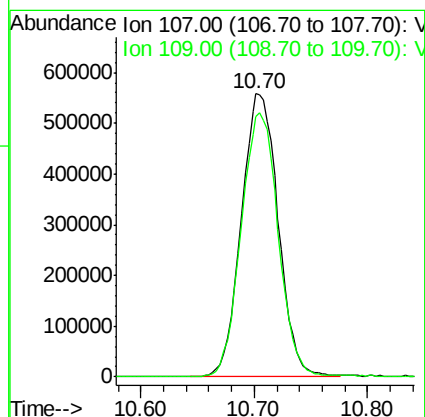
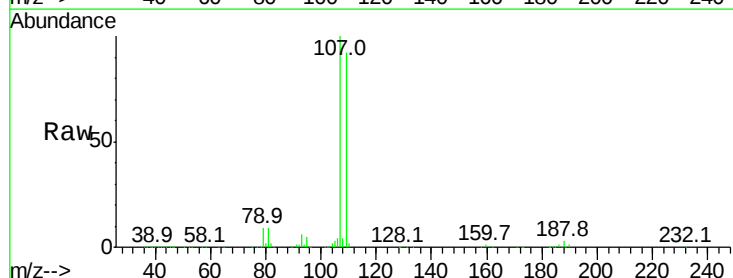
Acq: 13 Aug 2019 9:33

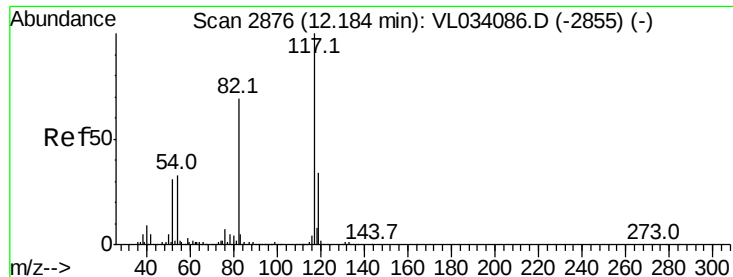
Tgt Ion: 107 Resp: 1264838

Ion Ratio Lower Upper

107 100

109 91.9 72.9 109.3

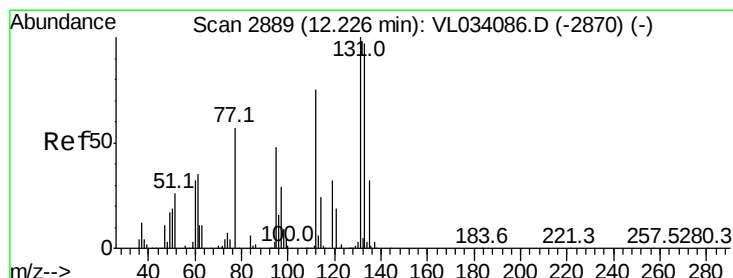
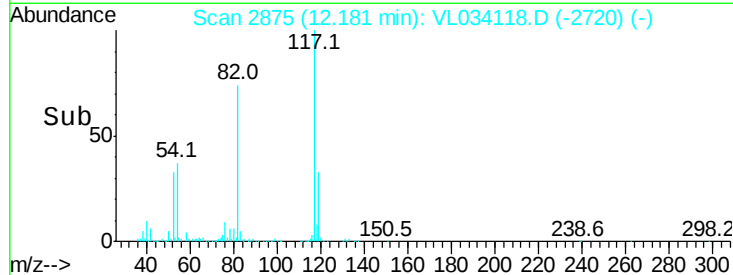
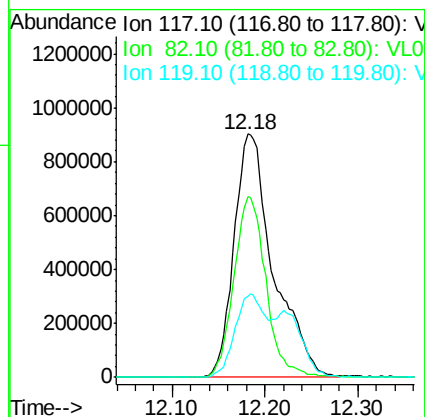
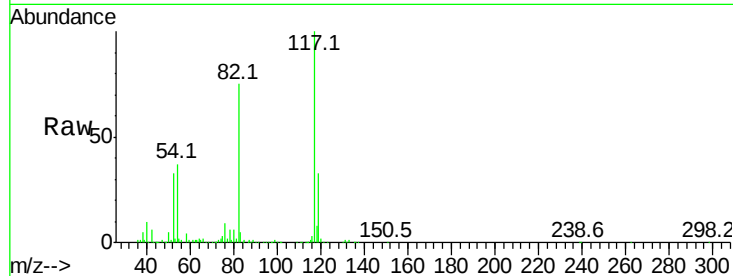




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.18 min Scan# 2875
Delta R.T. -0.00 min
Lab File: VL034118.D
Acq: 13 Aug 2019 9:33

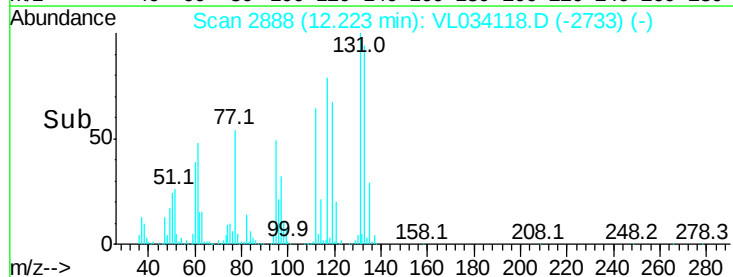
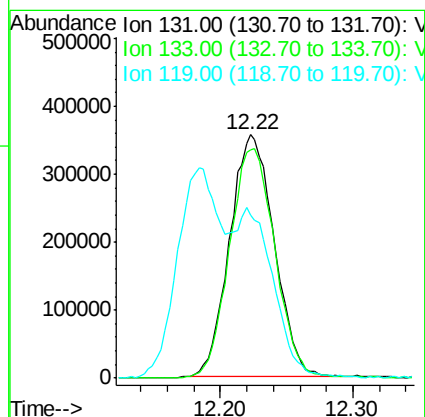
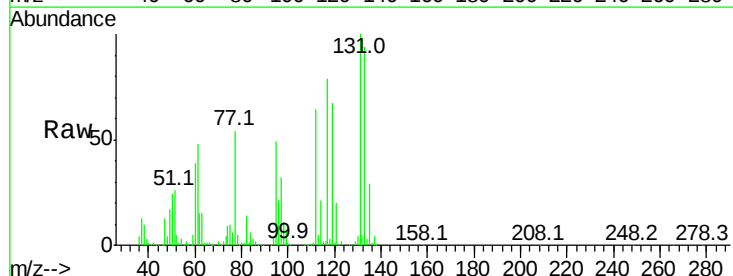
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

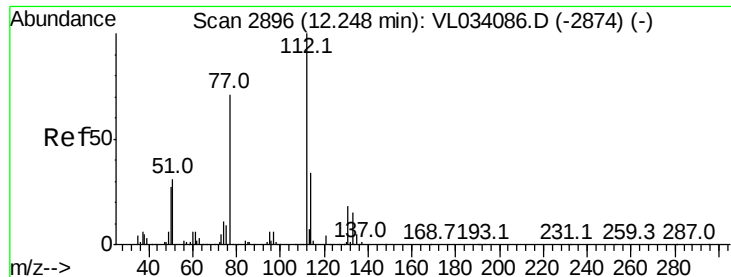
Tgt Ion:117 Resp: 2661005
Ion Ratio Lower Upper
117 100
82 60.8 52.2 78.4
119 46.5 44.8 67.2



#56
1,1,1,2-Tetrachloroethane
Concen: 6.824 ppbv
RT: 12.22 min Scan# 2888
Delta R.T. -0.00 min
Lab File: VL034118.D
Acq: 13 Aug 2019 9:33

Tgt Ion:131 Resp: 830248
Ion Ratio Lower Upper
131 100
133 97.6 76.5 114.7
119 148.7 114.7 172.1

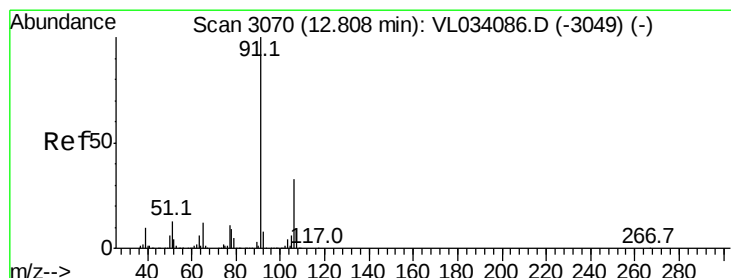
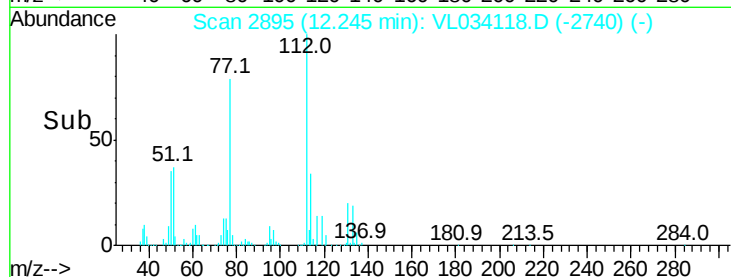
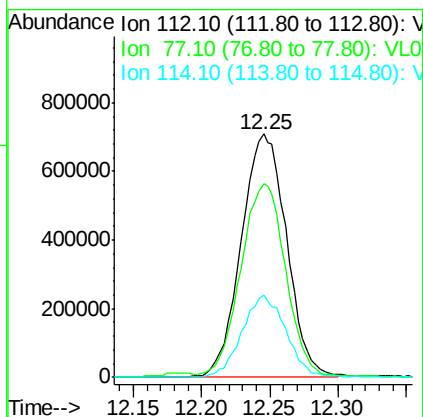
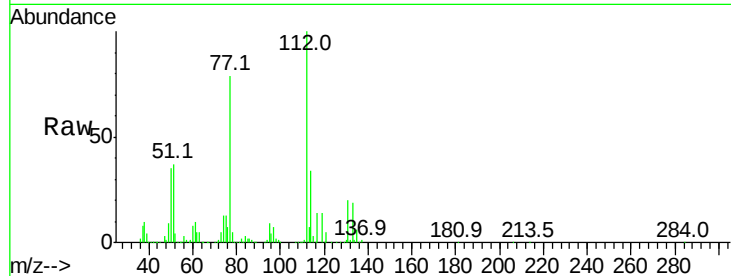




#57
Chlorobenzene
Concen: 6.807 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.00 min
Lab File: VL034118.D
Acq: 13 Aug 2019 9:33

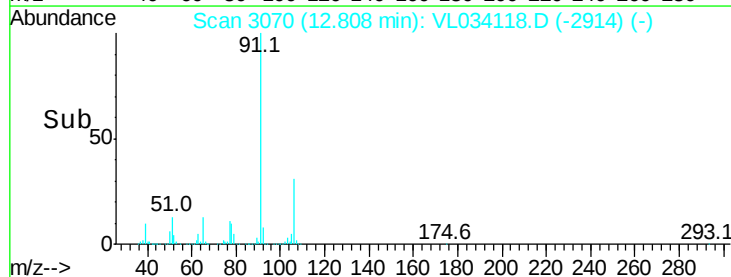
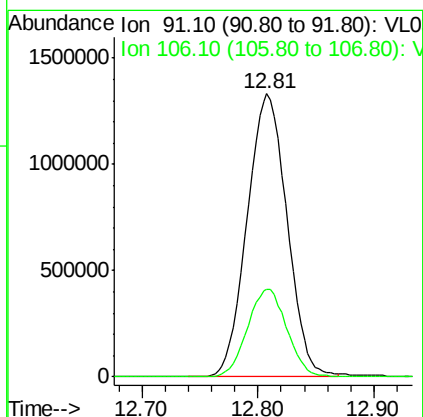
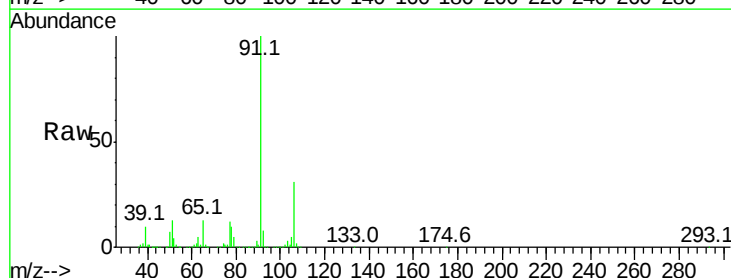
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

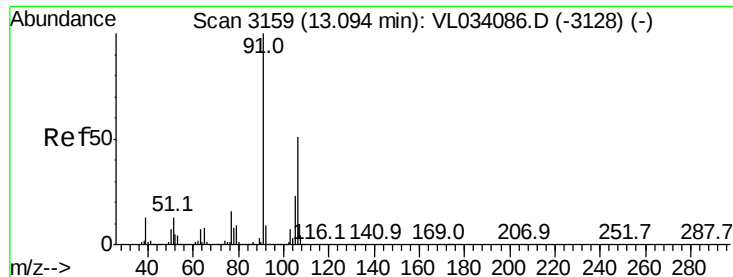
Tgt Ion: 112 Resp: 1631252
Ion Ratio Lower Upper
112 100
77 78.8 57.8 86.6
114 33.6 30.3 37.1



#58
Ethyl Benzene
Concen: 7.121 ppbv
RT: 12.81 min Scan# 3070
Delta R.T. 0.00 min
Lab File: VL034118.D
Acq: 13 Aug 2019 9:33

Tgt Ion: 91 Resp: 3186240
Ion Ratio Lower Upper
91 100
106 31.1 26.0 39.0

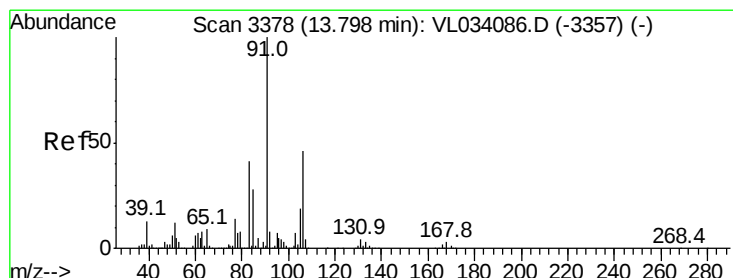
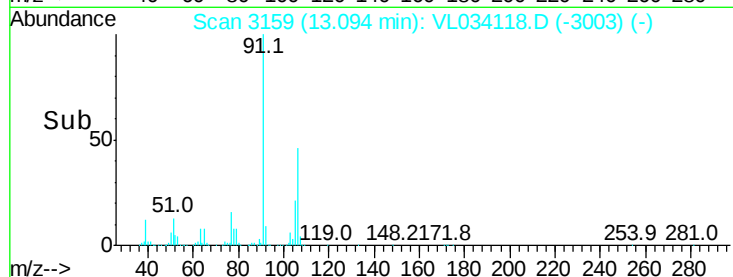
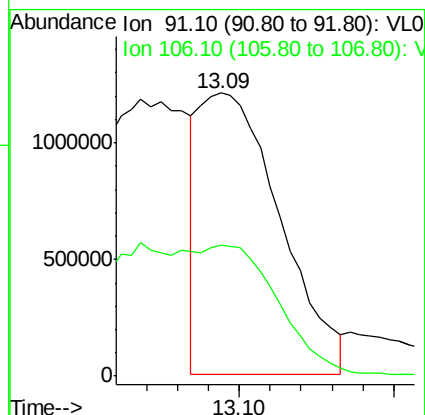
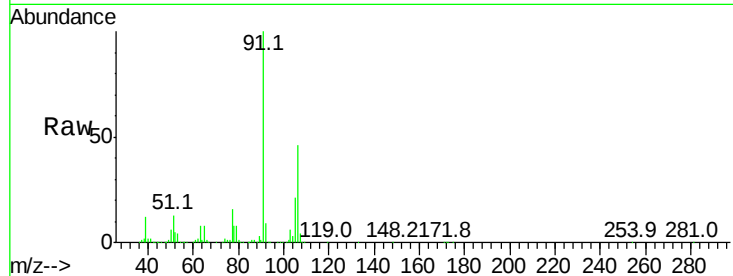




#59
m/p-Xylene
Concen: 6.078 ppbv
RT: 13.09 min Scan# 3159
Delta R.T. 0.00 min
Lab File: VL034118.D
Acq: 13 Aug 2019 9:33

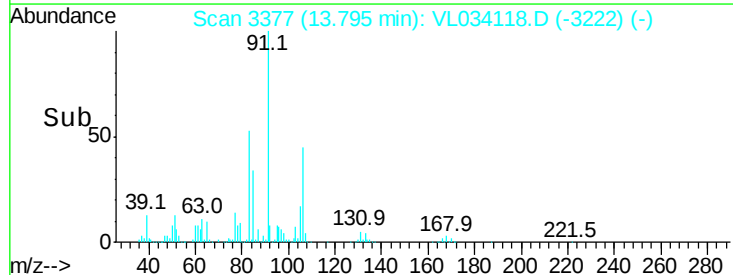
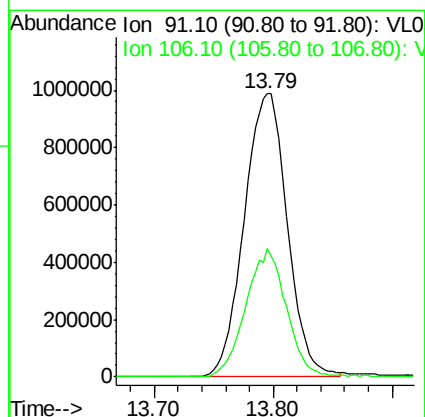
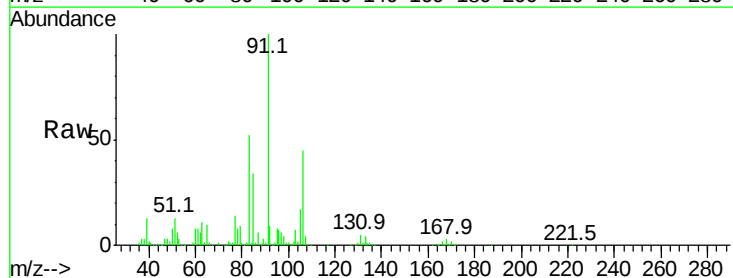
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

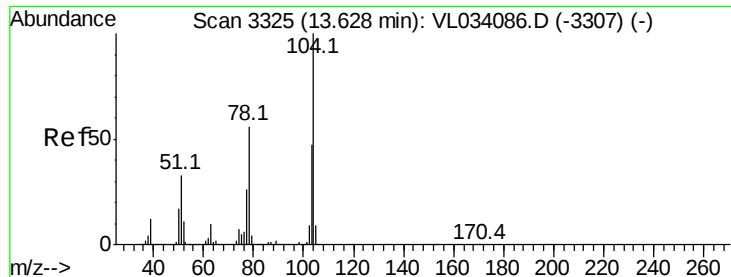
Tgt Ion: 91 Resp: 2183121
Ion Ratio Lower Upper
91 100
106 0.0 38.7 58.1#



#60
o-Xylene
Concen: 6.891 ppbv
RT: 13.79 min Scan# 3377
Delta R.T. -0.00 min
Lab File: VL034118.D
Acq: 13 Aug 2019 9:33

Tgt Ion: 91 Resp: 2473411
Ion Ratio Lower Upper
91 100
106 43.1 22.6 67.7





#61

Styrene

Concen: 6.986 ppbv

RT: 13.63 min Scan# 3325

Delta R.T. 0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

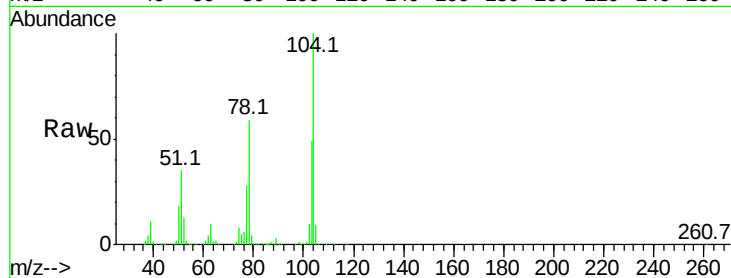
Tgt Ion:104 Resp: 1990182

Ion Ratio Lower Upper

104 100

78 59.0 44.2 66.4

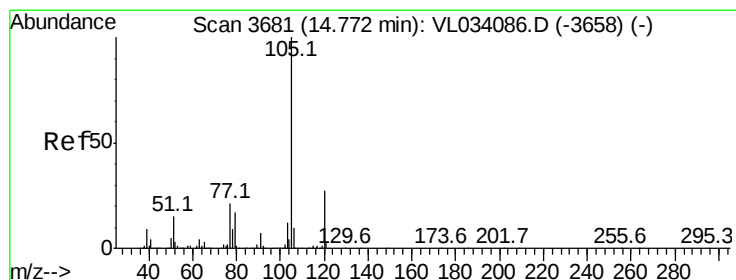
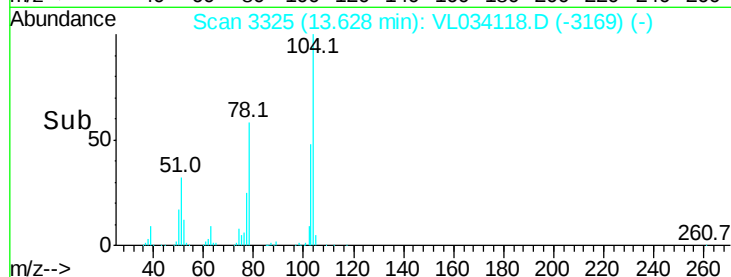
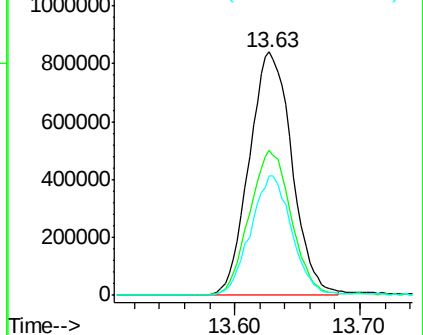
103 47.9 38.3 57.5



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: 6.738 ppbv

RT: 14.77 min Scan# 3680

Delta R.T. -0.00 min

Lab File: VL034118.D

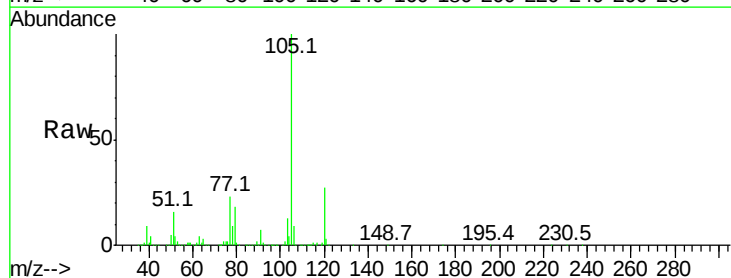
Acq: 13 Aug 2019 9:33

Tgt Ion:105 Resp: 3246385

Ion Ratio Lower Upper

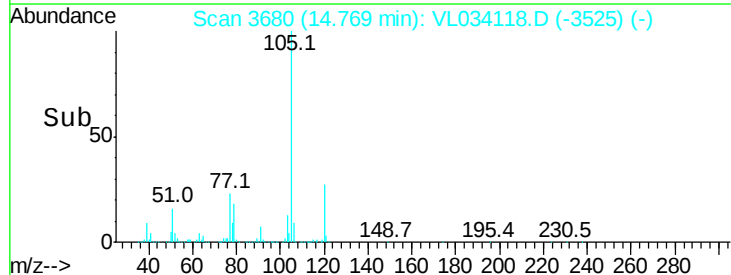
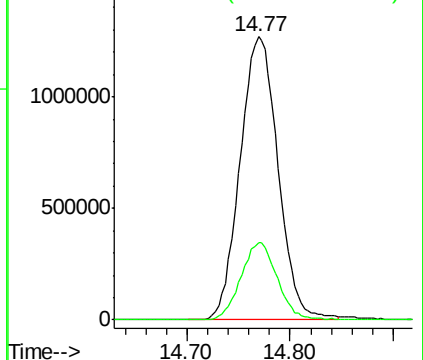
105 100

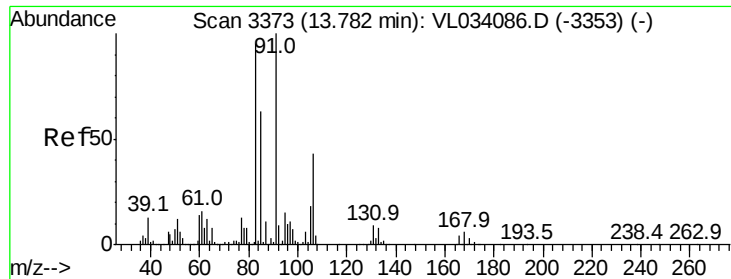
120 26.4 21.4 32.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

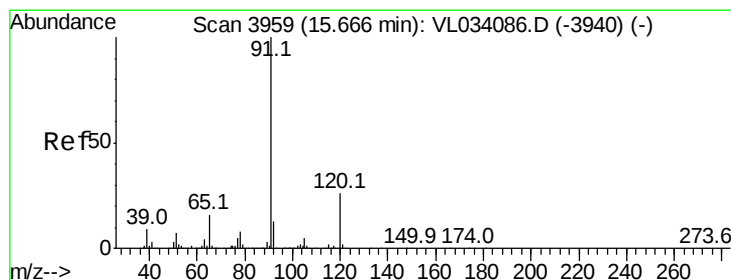
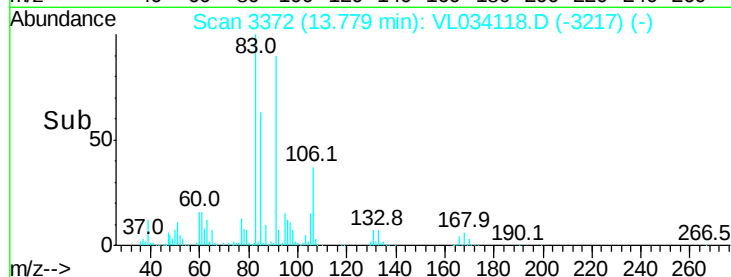
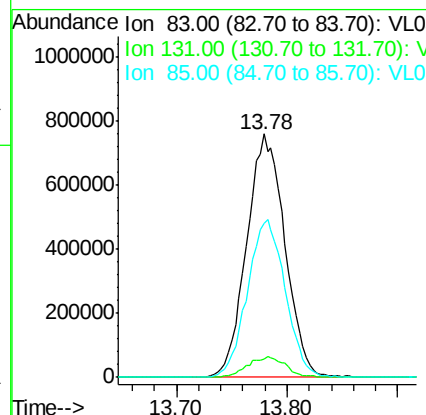
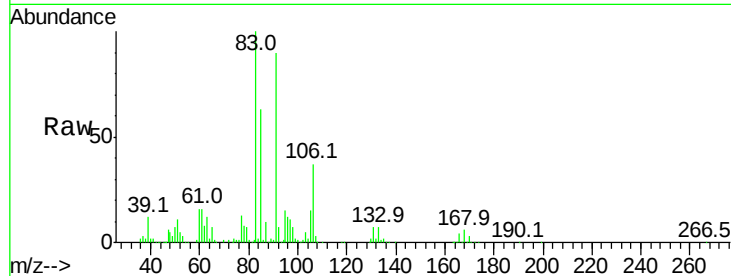




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.024 ppbv
 RT: 13.78 min Scan# 3372
 Delta R.T. -0.00 min
 Lab File: VL034118.D
 Acq: 13 Aug 2019 9:33

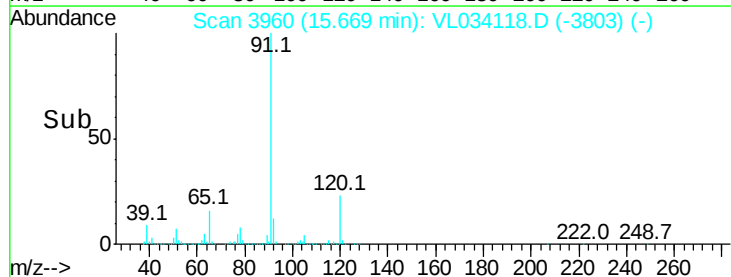
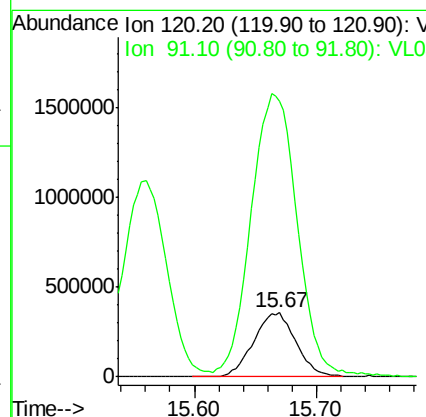
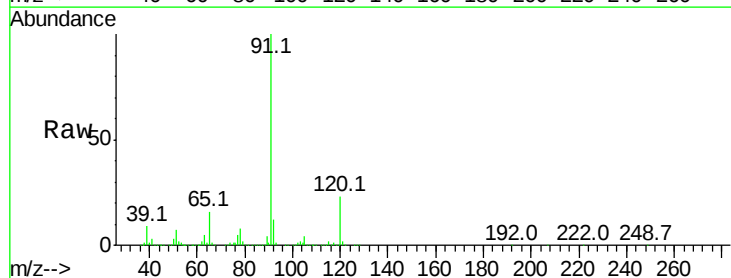
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

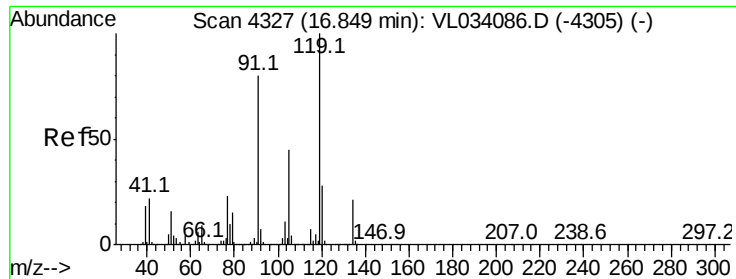
Tgt Ion: 83 Resp: 1821159
 Ion Ratio Lower Upper
 83 100
 131 8.5 4.6 13.8
 85 64.6 32.6 97.8



#64
 n-propylbenzene
 Concen: 6.713 ppbv
 RT: 15.67 min Scan# 3960
 Delta R.T. 0.00 min
 Lab File: VL034118.D
 Acq: 13 Aug 2019 9:33

Tgt Ion: 120 Resp: 854842
 Ion Ratio Lower Upper
 120 100
 91 485.5 359.7 539.5

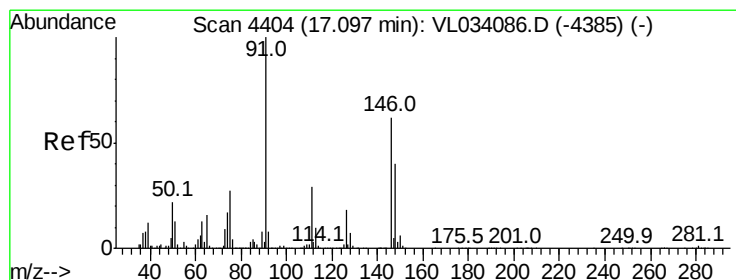
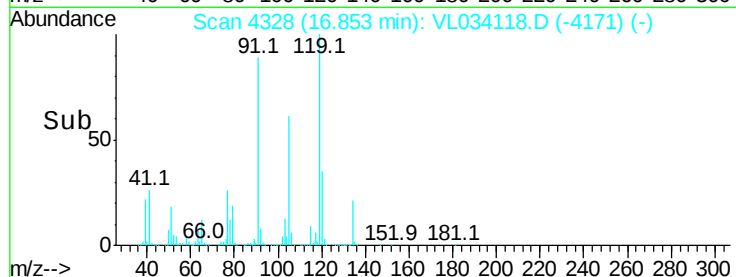
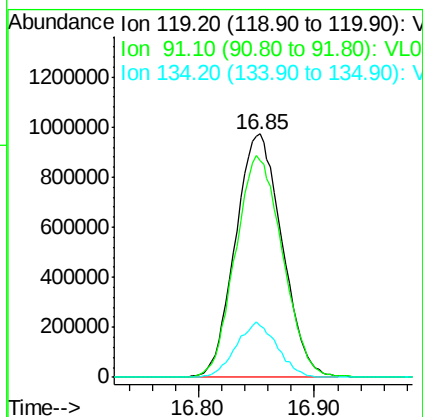
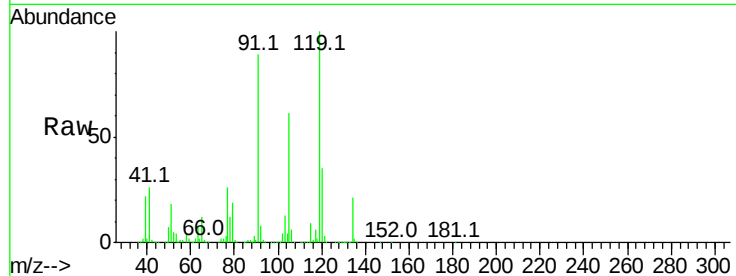




#65
tert-Butylbenzene
Concen: 6.326 ppbv
RT: 16.85 min Scan# 4328
Delta R.T. 0.00 min
Lab File: VL034118.D
Acq: 13 Aug 2019 9:33

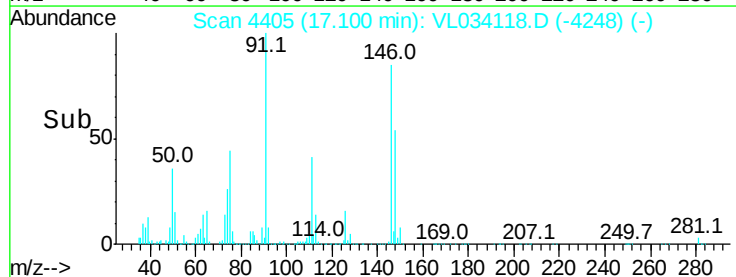
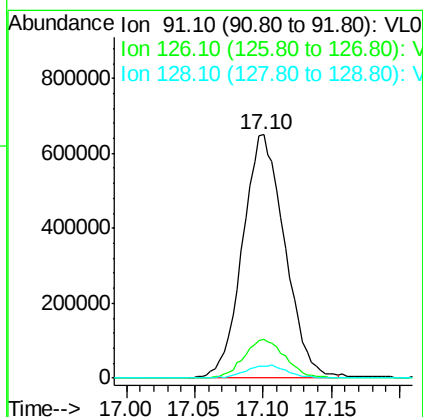
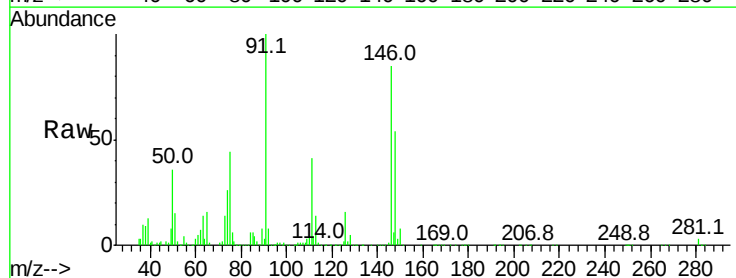
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

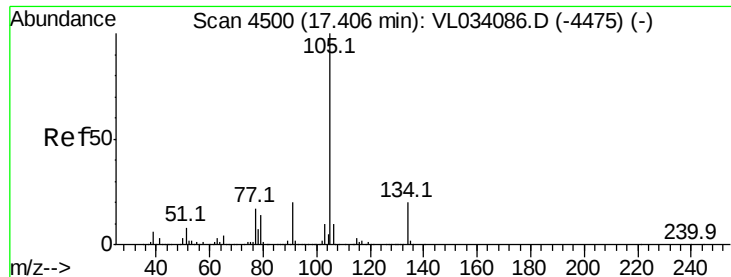
Tgt Ion:119 Resp: 2714862
Ion Ratio Lower Upper
119 100
91 92.0 67.6 101.4
134 20.0 16.0 24.0



#66
Benzyl Chloride
Concen: 5.848 ppbv
RT: 17.10 min Scan# 4405
Delta R.T. 0.00 min
Lab File: VL034118.D
Acq: 13 Aug 2019 9:33

Tgt Ion: 91 Resp: 1389224
Ion Ratio Lower Upper
91 100
126 15.8 14.8 22.2
128 5.2 4.8 7.2

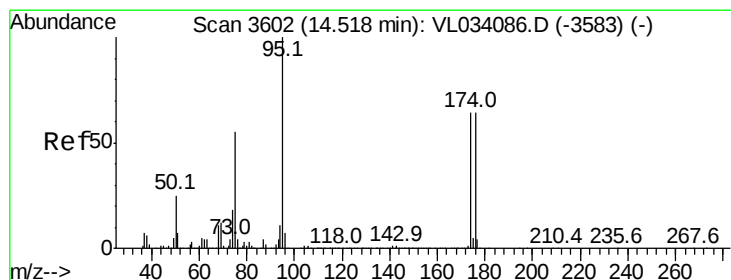
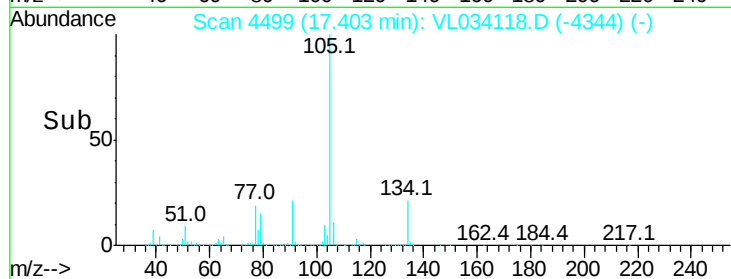
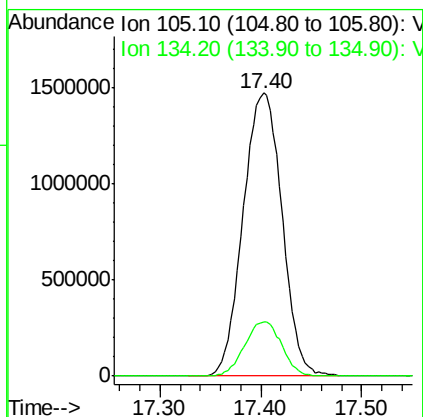
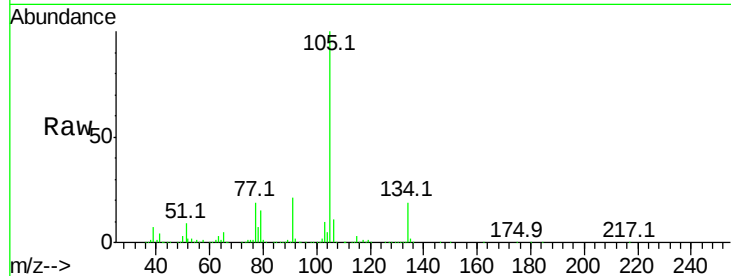




#67
 sec-Butylbenzene
 Concen: 6.506 ppbv
 RT: 17.40 min Scan# 4499
 Delta R.T. -0.00 min
 Lab File: VL034118.D
 Acq: 13 Aug 2019 9:33

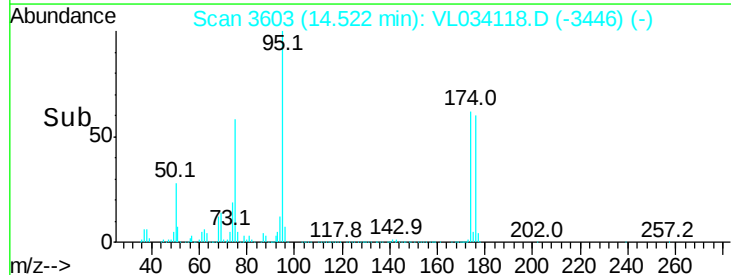
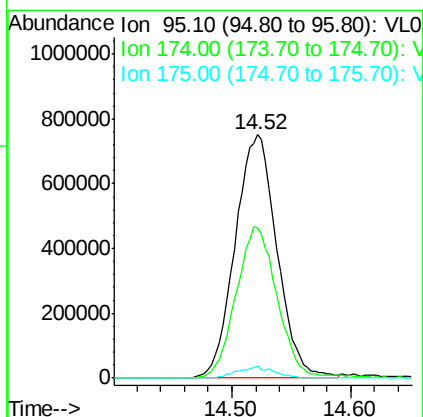
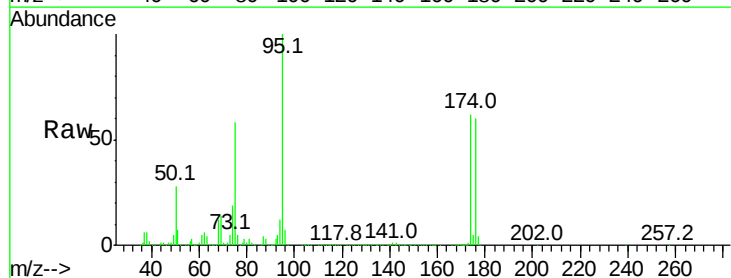
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

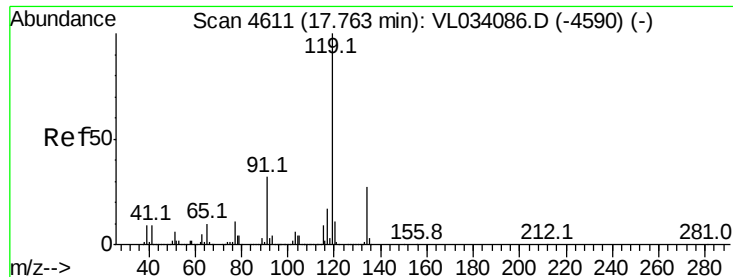
Tgt Ion: 105 Resp: 3940450
 Ion Ratio Lower Upper
 105 100
 134 18.5 15.4 23.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.415 ppbv
 RT: 14.52 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VL034118.D
 Acq: 13 Aug 2019 9:33

Tgt Ion: 95 Resp: 1816782
 Ion Ratio Lower Upper
 95 100
 174 62.0 53.0 79.6
 175 4.2 4.2 6.2

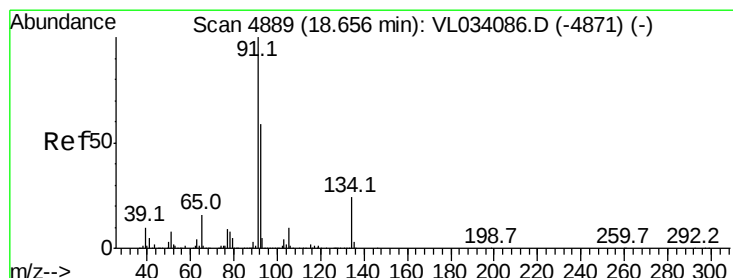
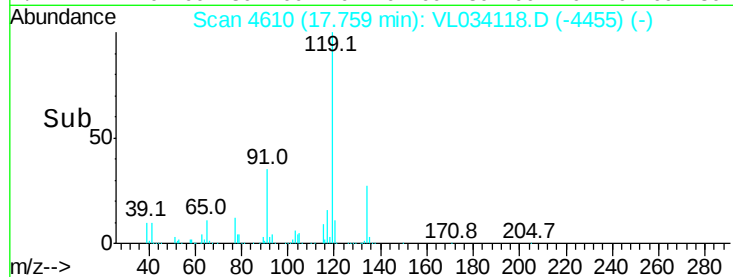
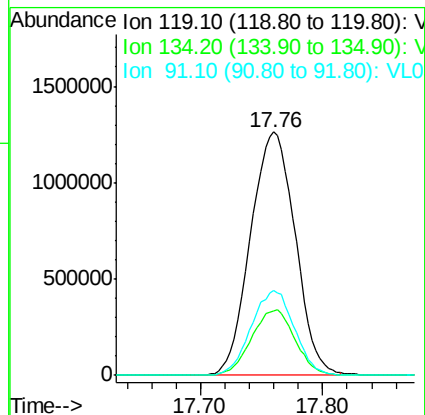
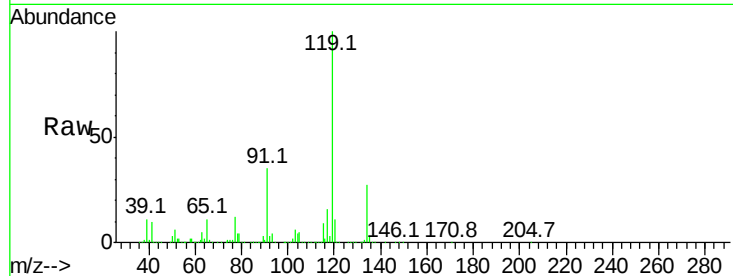




#69
 p-Isopropyltoluene
 Concen: 6.401 ppbv
 RT: 17.76 min Scan# 4610
 Delta R.T. -0.00 min
 Lab File: VL034118.D
 Acq: 13 Aug 2019 9:33

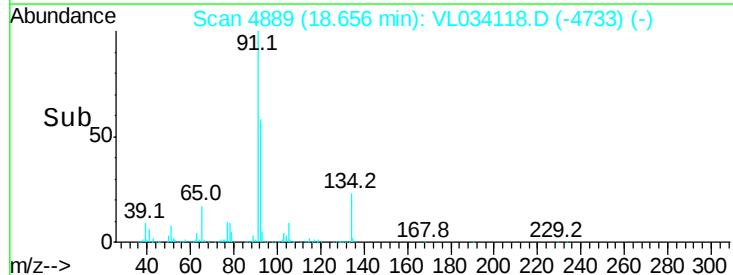
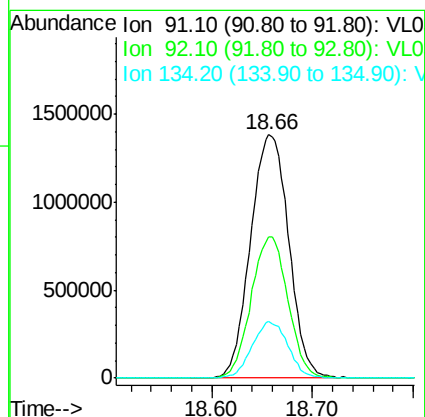
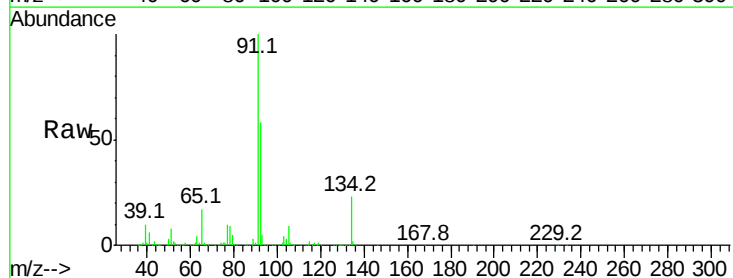
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

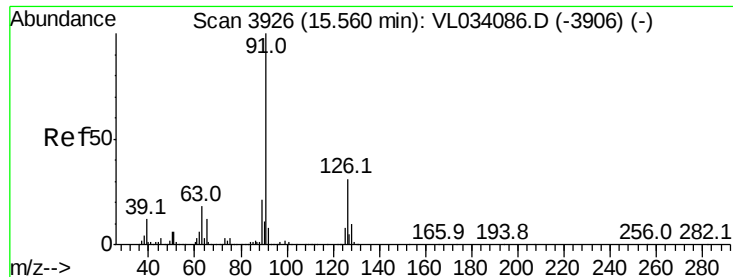
Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	21.3	31.9
91	33.8	25.4	38.0



#70
 n-Butylbenzene
 Concen: 6.725 ppbv
 RT: 18.66 min Scan# 4889
 Delta R.T. 0.00 min
 Lab File: VL034118.D
 Acq: 13 Aug 2019 9:33

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.0	45.9	68.9
134	21.8	19.0	28.4





#71

2-Chlorotoluene

Concen: 6.992 ppbv

RT: 15.56 min Scan# 3926

Delta R.T. 0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

Instrument :

MSVOA_L

ClientSampleId :

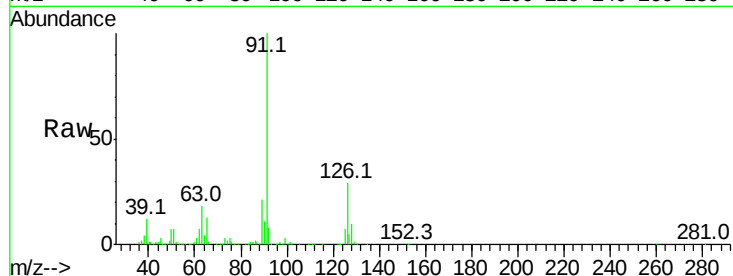
VSTDCCC010EC

Tgt Ion: 91 Resp: 2708826

Ion Ratio Lower Upper

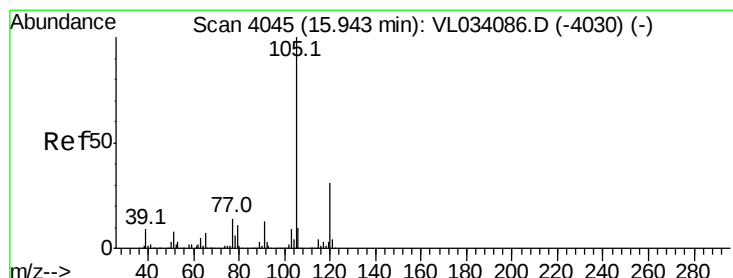
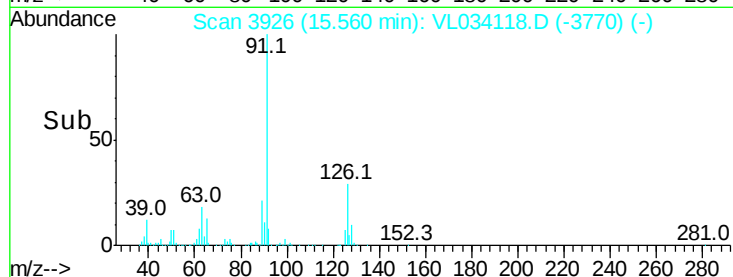
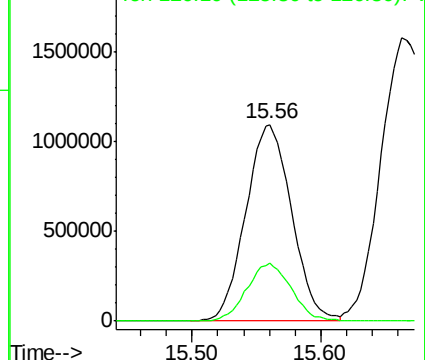
91 100

126 28.7 12.2 48.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 6.835 ppbv

RT: 15.94 min Scan# 4045

Delta R.T. 0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

Tgt Ion: 105 Resp: 2887237

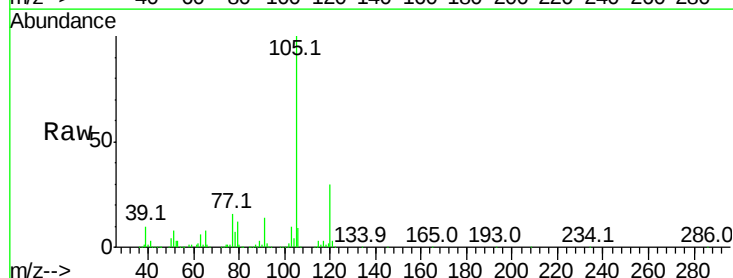
Ion Ratio Lower Upper

105 100

120 29.8 24.2 36.2

91 13.8 10.5 15.7

77 16.0 11.9 17.9

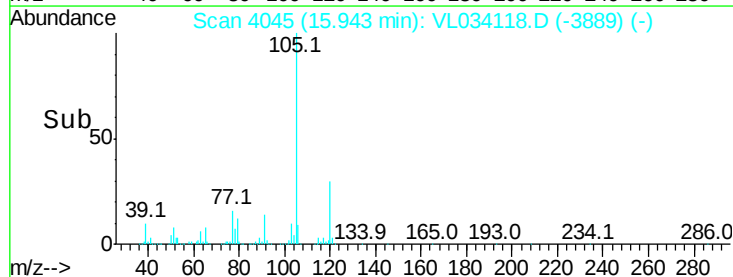
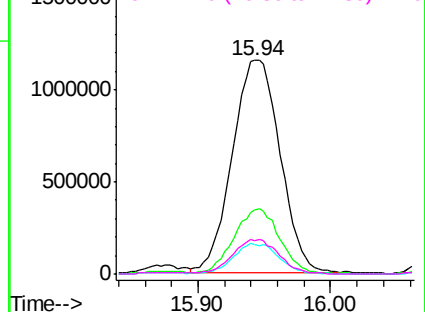


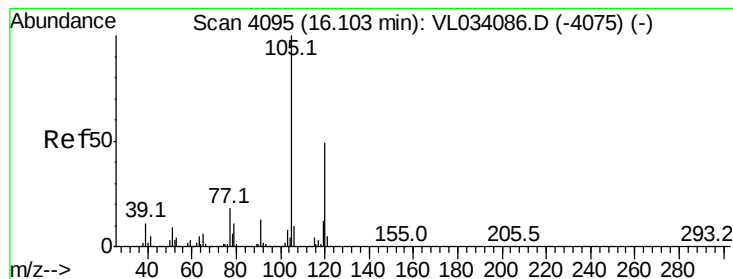
Abundance Ion 105.10 (104.80 to 105.80): V

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: 6.780 ppbv

RT: 16.10 min Scan# 4095

Delta R.T. 0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

Instrument :

MSVOA_L

ClientSampleId :

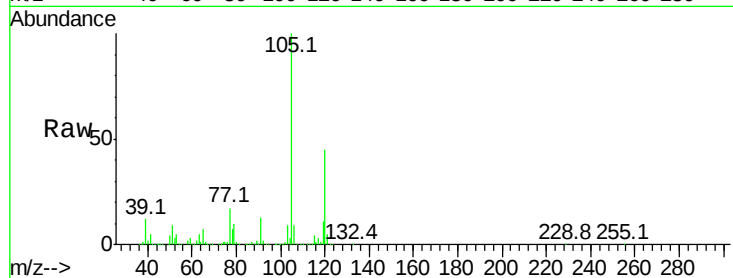
VSTDCCC010EC

Tgt Ion:105 Resp: 2755337

Ion Ratio Lower Upper

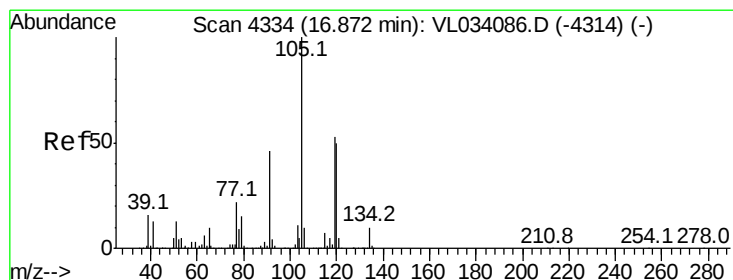
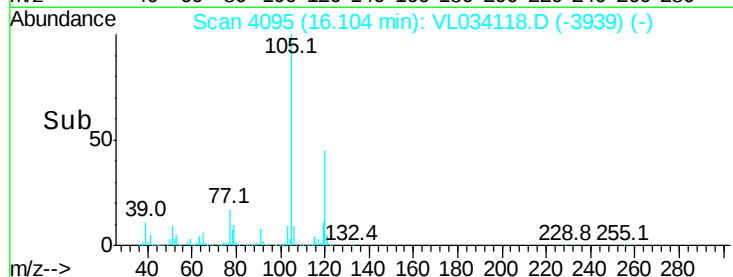
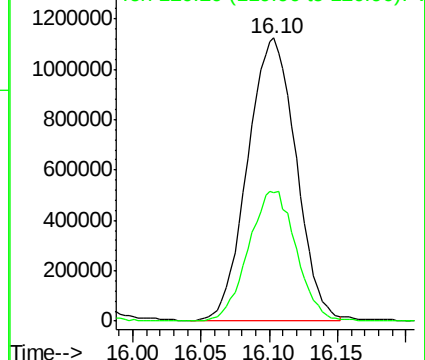
105 100

120 45.4 39.0 58.4



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: 6.451 ppbv

RT: 16.87 min Scan# 4334

Delta R.T. 0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

Tgt Ion:105 Resp: 2727257

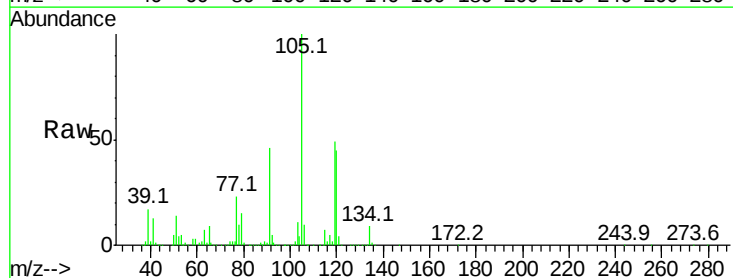
Ion Ratio Lower Upper

105 100

120 45.2 40.2 60.4

91 45.5 38.1 57.1

77 23.4 17.8 26.8

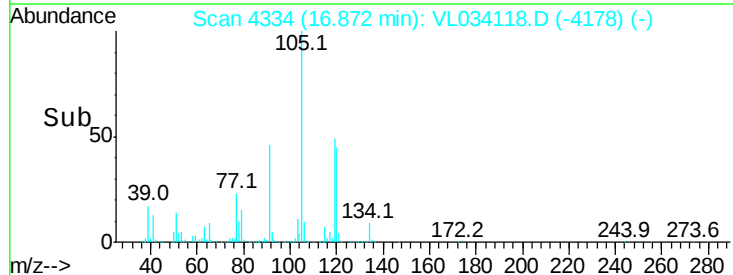
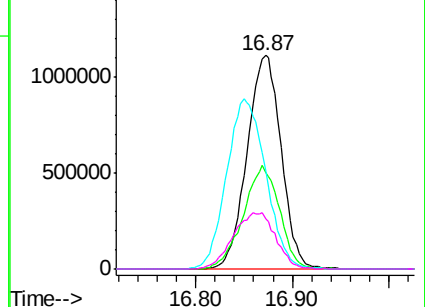


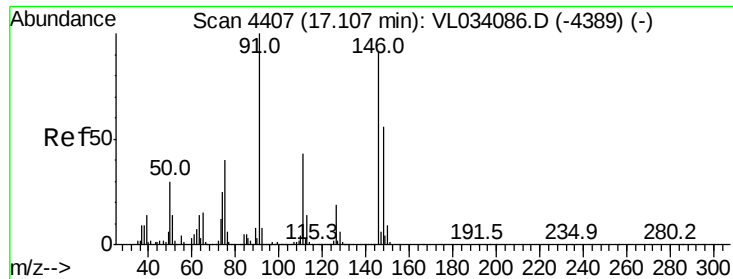
Abundance Ion 105.10 (104.80 to 105.80): V

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: 6.494 ppbv

RT: 17.11 min Scan# 4408

Delta R.T. 0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

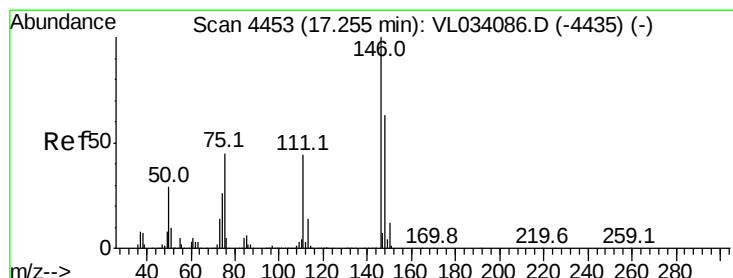
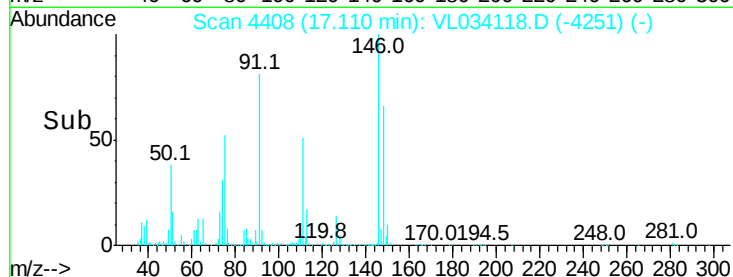
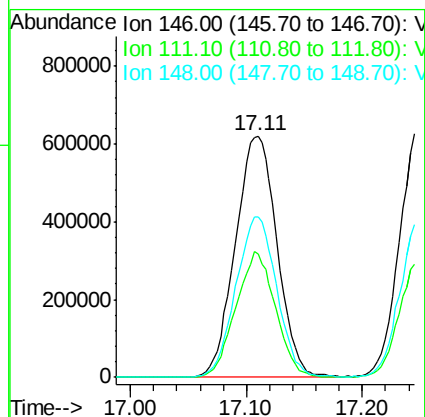
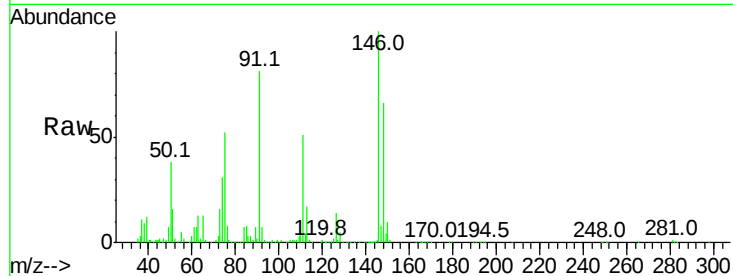
Tgt Ion:146 Resp: 1537583

Ion Ratio Lower Upper

146 100

111 49.7 23.8 71.5

148 65.6 32.4 97.2



#76

1,4-Dichlorobenzene

Concen: 6.609 ppbv

RT: 17.25 min Scan# 4451

Delta R.T. -0.01 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

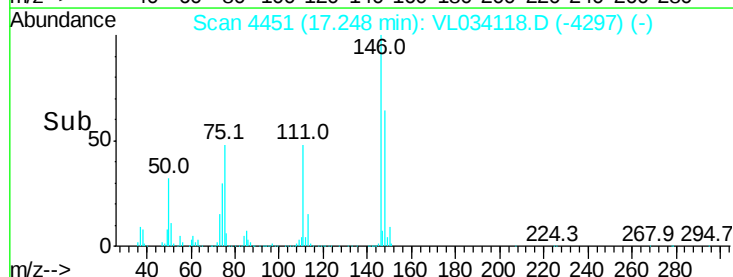
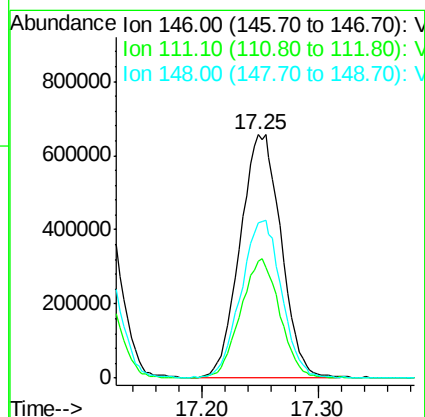
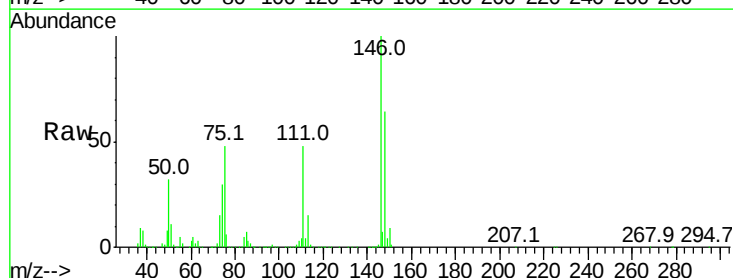
Tgt Ion:146 Resp: 1599078

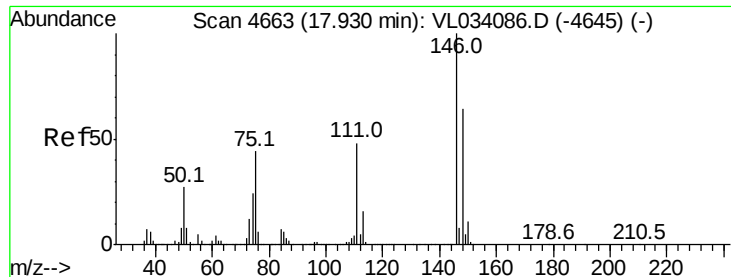
Ion Ratio Lower Upper

146 100

111 47.3 23.2 69.5

148 65.0 32.1 96.5





#77

1,2-Dichlorobenzene

Concen: 6.599 ppbv

RT: 17.93 min Scan# 4664

Delta R.T. 0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

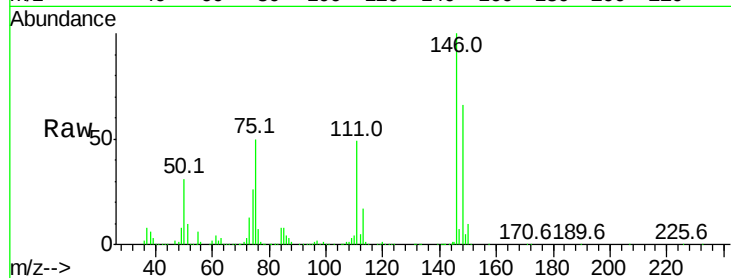
Tgt Ion:146 Resp: 1540552

Ion Ratio Lower Upper

146 100

111 50.4 24.0 72.0

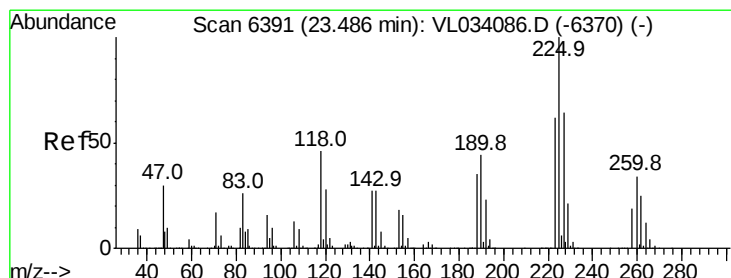
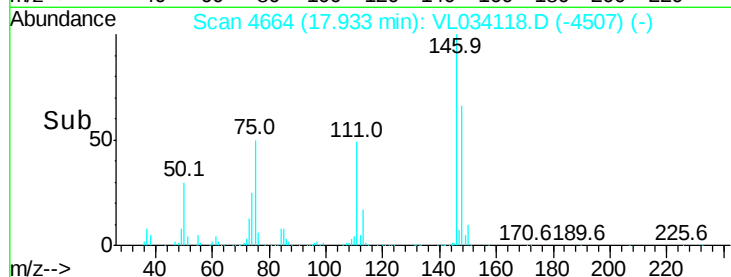
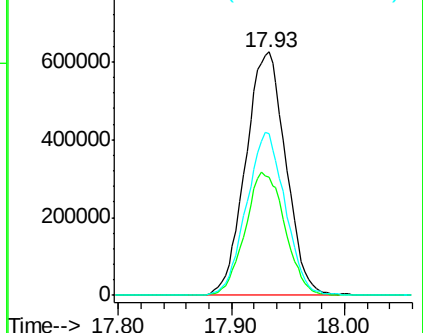
148 64.7 31.9 95.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 6.663 ppbv

RT: 23.49 min Scan# 6391

Delta R.T. 0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

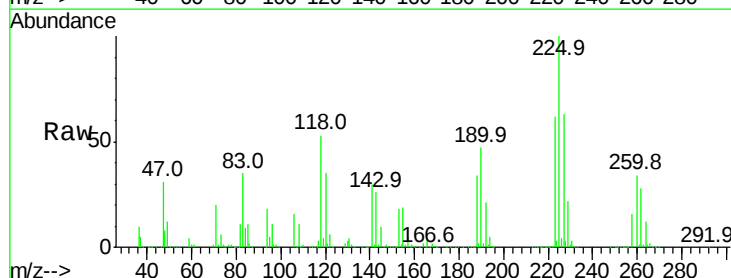
Tgt Ion:225 Resp: 1232961

Ion Ratio Lower Upper

225 100

223 64.4 50.8 76.2

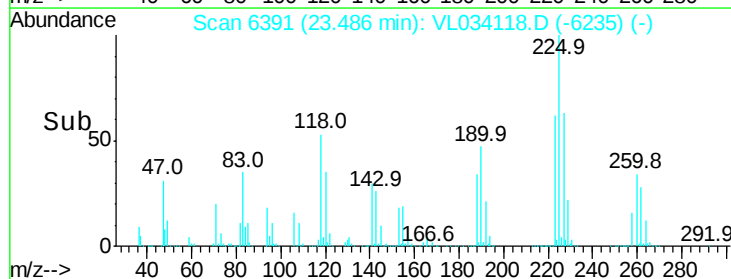
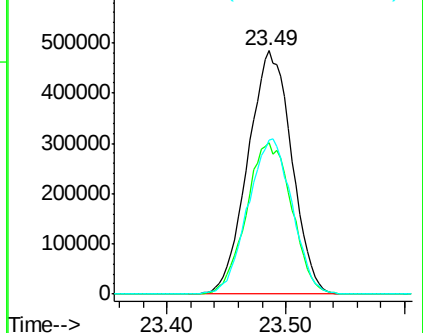
227 64.1 52.2 78.2

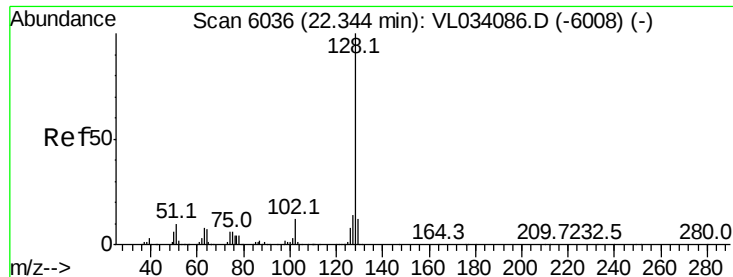


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 6.340 ppbv

RT: 22.34 min Scan# 6035

Delta R.T. -0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

Instrument :

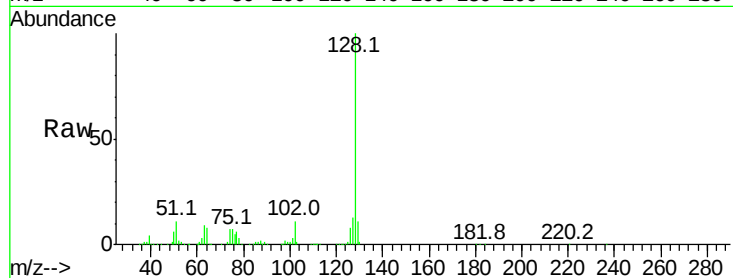
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:128 Resp: 2783893

Ion	Ratio	Lower	Upper
128	100		
127	13.0	11.0	16.6
129	11.3	9.2	13.8

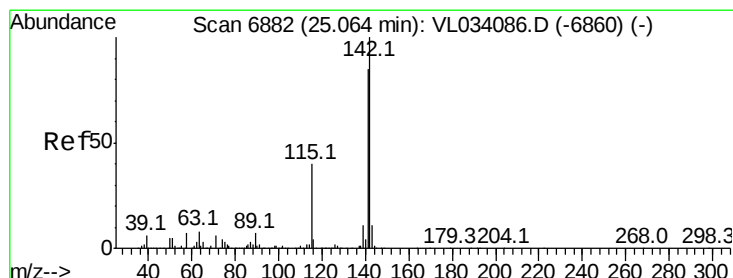
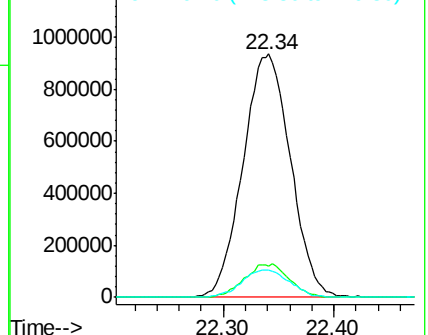
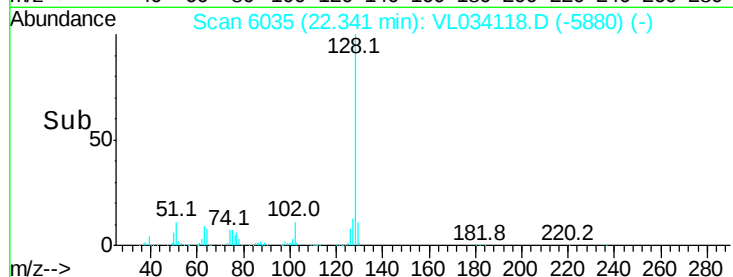


Abundance

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: 10.668 ppbv

RT: 25.07 min Scan# 6883

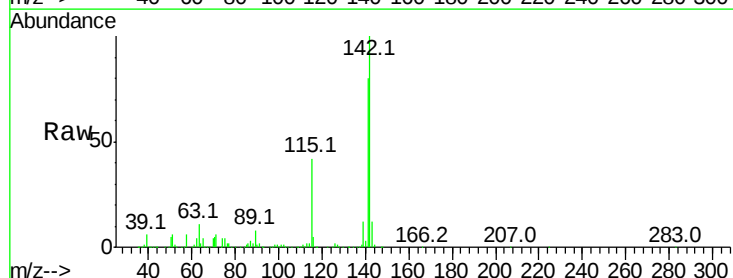
Delta R.T. 0.00 min

Lab File: VL034118.D

Acq: 13 Aug 2019 9:33

Tgt Ion:142 Resp: 1468945

Ion	Ratio	Lower	Upper
142	100		
141	84.0	66.1	99.1
115	42.3	30.8	46.2

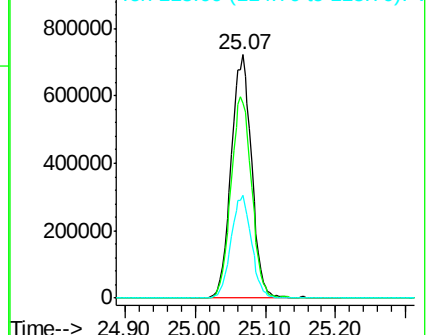
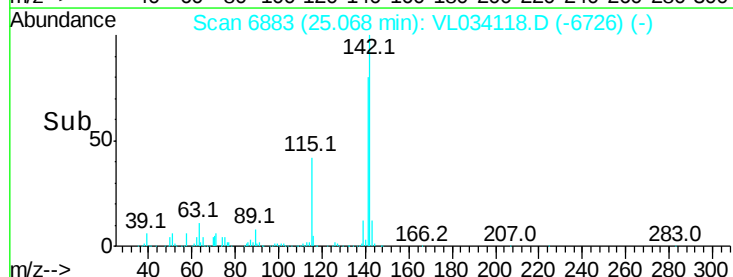


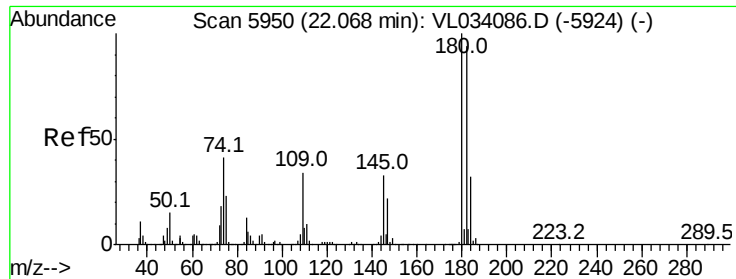
Abundance

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: 3.096 ppbv
 RT: 22.06 min Scan# 5948
 Delta R.T. -0.01 min
 Lab File: VL034118.D
 Acq: 13 Aug 2019 9:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:180 Resp: 754670
 Ion Ratio Lower Upper
 180 100
 182 0.0 76.7 115.1#
 184 0.0 25.0 37.4#

