

Data File : VL034170.D
Acq On : 17 Sep 2019 4:10
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Sep 17 06:00:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 17 05:58:04 2019
QLast Update : Tue Sep 17 05:58:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	1282794	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.23	114	2228263	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.17	117	2921439	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.51	95	2084960	8.65	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	86.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	1566143	7.697	ppbv	100
3) Chlorodifluoromethane	2.97	51	1401136	9.659	ppbv	100
4) Chloromethane	3.13	50	834469	9.339	ppbv	100
5) Vinyl Chloride	3.25	62	736257	9.037	ppbv	100
6) Bromomethane	3.47	94	360896	9.078	ppbv	100
7) Chloroethane	3.56	64	267665	9.610	ppbv	100
8) Dichlorotetrafluoroethane	3.18	85	1510208	8.895	ppbv	100
9) Propene	2.99	41	706851	8.919	ppbv	100
10) Heptane	8.18	43	1850255	8.953	ppbv	100
11) Trichlorofluoromethane	3.96	101	1587576	9.190	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1043710	9.089	ppbv	100
13) Ethanol	3.60	45	116335	7.530	ppbv	100
14) Bromoethene	3.74	108	453273	9.145	ppbv	100
15) Acetone	3.85	43	1358644	8.771	ppbv	100
16) 1,3-Butadiene	3.32	39	725428	9.290	ppbv	100
17) tert-Butyl alcohol	4.30	59	1030737	9.232	ppbv	100
18) 1,1-Dichloroethene	4.30	96	479109	9.184	ppbv	100
19) Isopropyl Alcohol	3.97	45	883174	8.519	ppbv	100
20) Methylene Chloride	4.36	84	428275	8.446	ppbv	100
21) Allyl Chloride	4.43	41	962826	9.475	ppbv	100
22) trans-1,2-Dichloroethene	4.91	96	480494	9.167	ppbv	100
23) Vinyl Acetate	5.10	43	2410975	9.249	ppbv	100
24) 1,1-Dichloroethane	5.04	63	1569560	9.035	ppbv	100
25) Ethyl Acetate	5.71	43	2898196	8.567	ppbv	100
26) Hexane	5.72	57	1231375	8.194	ppbv	100
27) Carbon Disulfide	4.56	76	1300292	9.639	ppbv	100
28) Methyl tert-Butyl Ether	5.06	73	1910666	8.769	ppbv	100
29) Chloroform	5.79	83	1821173	8.980	ppbv	100
30) Cyclohexane	7.18	84	949603	8.837	ppbv	100
31) cis-1,2-Dichloroethene	5.58	61	1344392	9.330	ppbv	100
32) 1,1,1-Trichloroethane	6.56	97	1740320	9.072	ppbv	100
34) 2-Butanone	5.27	43	2085382	9.574	ppbv	100
35) Carbon Tetrachloride	7.07	117	1720678	9.773	ppbv	100
36) Benzene	6.94	78	2286388	8.987	ppbv	100
37) 1,2-Dichloroethane	6.35	62	1648959	10.228	ppbv	100
38) Trichloroethene	7.90	130	772821	8.103	ppbv	100
39) 1,2-Dichloropropane	7.67	63	1027436	9.345	ppbv	100
40) 1,4-Dioxane	7.88	88	298759	7.500	ppbv #	100
41) Tetrahydrofuran	6.09	42	1250287	9.638	ppbv	100
42) Bromodichloromethane	7.85	83	2030708	9.842	ppbv	100
43) Methyl Methacrylate	8.07	69	1006584	9.577	ppbv	100

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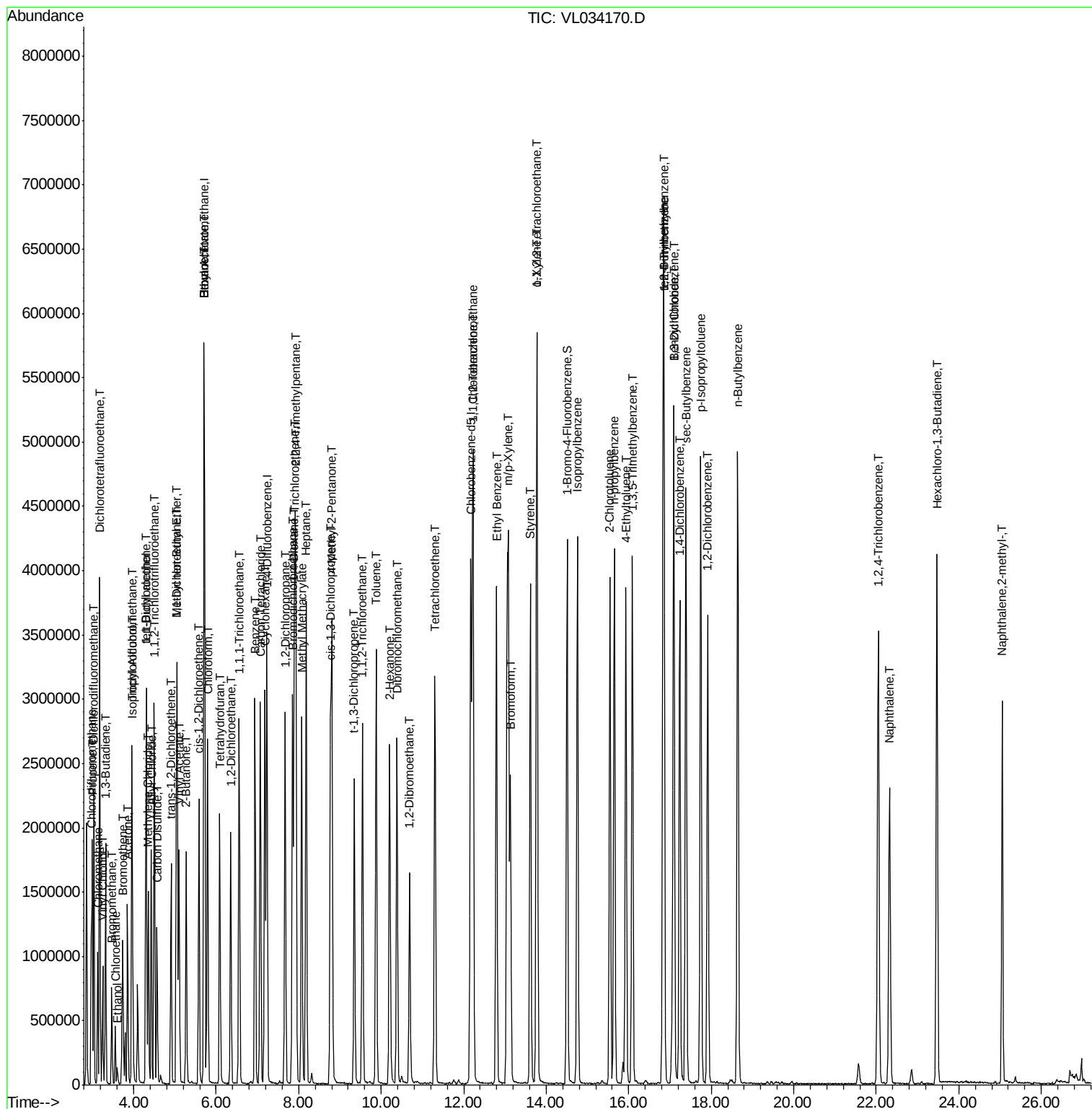
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.92	57	4180840	8.814	ppbv	100
45) t-1,3-Dichloropropene	9.35	75	1354310	10.903	ppbv	100
46) cis-1,3-Dichloropropene	8.77	75	1516340	10.043	ppbv	100
47) 1,1,2-Trichloroethane	9.55	97	915511	9.195	ppbv	100
48) Dibromochloromethane	10.38	129	1545275	10.261	ppbv	100
49) Bromoform	13.13	173	1293852	9.897	ppbv	100
50) 4-Methyl-2-Pentanone	8.80	43	3031935	9.143	ppbv	100
51) 2-Hexanone	10.20	43	2632111	9.204	ppbv #	100
52) Tetrachloroethene	11.30	164	715108	7.976	ppbv	100
53) Toluene	9.88	91	2543766	9.028	ppbv	100
54) 1,2-Dibromoethane	10.69	107	1386845	9.315	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.21	131	996527	7.865	ppbv	97
57) Chlorobenzene	12.23	112	1822182	7.226	ppbv	100
58) Ethyl Benzene	12.79	91	3456837	7.203	ppbv	100
59) m/p-Xylene	13.08	91	2808939	7.174	ppbv #	32
60) o-Xylene	13.78	91	2779596	7.117	ppbv	100
61) Styrene	13.62	104	2137208	7.357	ppbv	100
62) Isopropylbenzene	14.76	105	3598117	7.080	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.76	83	2052112	6.436	ppbv	100
64) n-propylbenzene	15.65	120	960702	7.537	ppbv	100
65) tert-Butylbenzene	16.84	119	3068701	6.980	ppbv	100
66) Benzyl Chloride	17.09	91	1537502	9.671	ppbv	100
67) sec-Butylbenzene	17.39	105	4421866	6.984	ppbv	100
69) p-Isopropyltoluene	17.75	119	3606923	7.117	ppbv	100
70) n-Butylbenzene	18.64	91	4116655	7.109	ppbv	100
71) 2-Chlorotoluene	15.55	91	3005670	7.237	ppbv	100
72) 4-Ethyltoluene	15.93	105	3234007	7.329	ppbv	100
73) 1,3,5-Trimethylbenzene	16.09	105	3075349	7.172	ppbv	100
74) 1,2,4-Trimethylbenzene	16.86	105	3088159	6.970	ppbv	100
75) 1,3-Dichlorobenzene	17.09	146	1684845	7.175	ppbv	100
76) 1,4-Dichlorobenzene	17.24	146	1746042	7.111	ppbv	100
77) 1,2-Dichlorobenzene	17.92	146	1709744	7.122	ppbv	100
78) Hexachloro-1,3-Butadiene	23.47	225	1052809	6.498	ppbv	100
79) Naphthalene	22.32	128	2839304	7.164	ppbv	100
80) Naphthalene,2-methyl-	25.06	142	1560389	11.624	ppbv	100
81) 1,2,4-Trichlorobenzene	22.05	180	1534543	7.084	ppbv	100

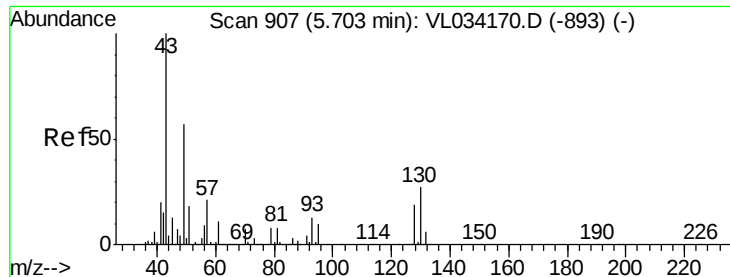
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.70 min Scan# 907

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

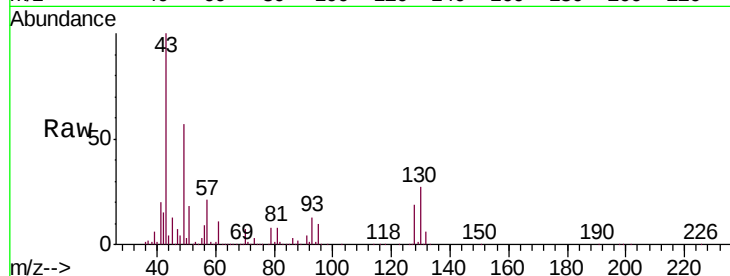
Tgt Ion: 49 Resp: 1282794

Ion Ratio Lower Upper

49 100

128 35.3 17.6 52.9

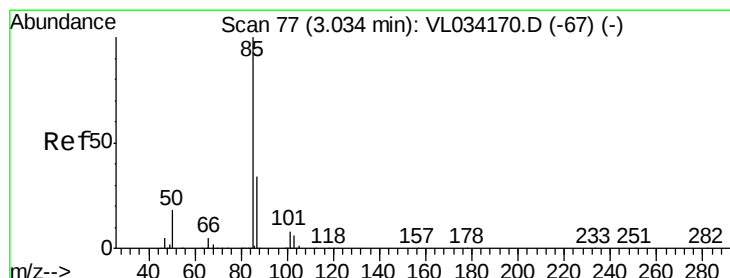
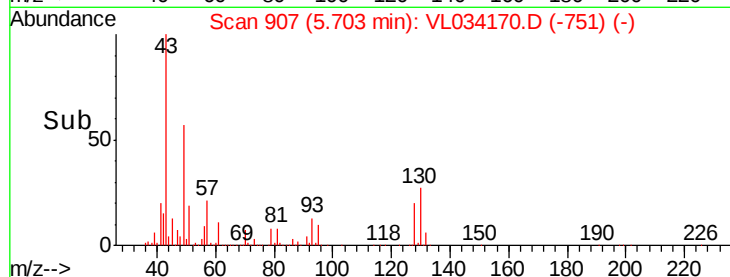
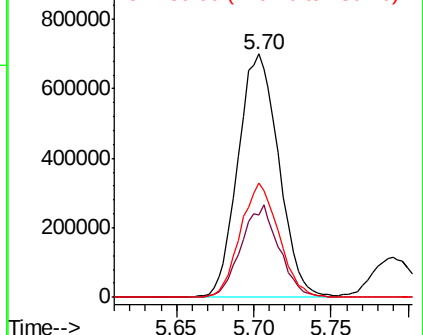
130 44.6 22.3 66.9



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.697 ppbv

RT: 3.03 min Scan# 77

Delta R.T. 0.00 min

Lab File: VL034170.D

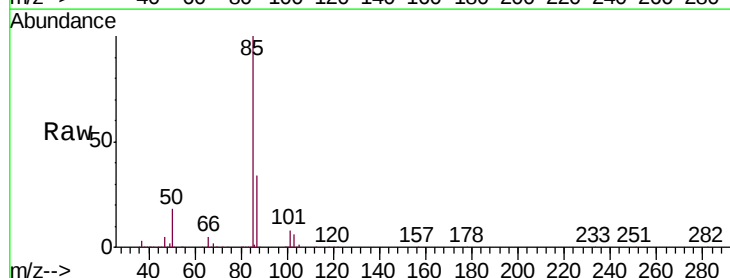
Acq: 17 Sep 2019 4:10

Tgt Ion: 85 Resp: 1566143

Ion Ratio Lower Upper

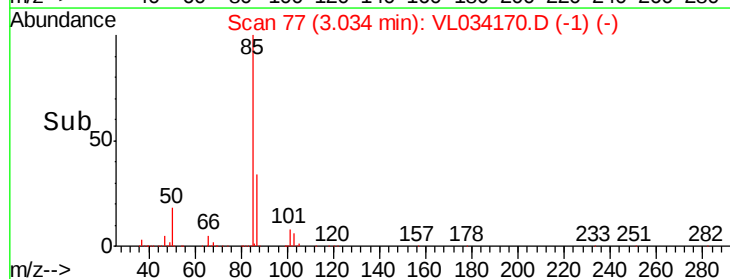
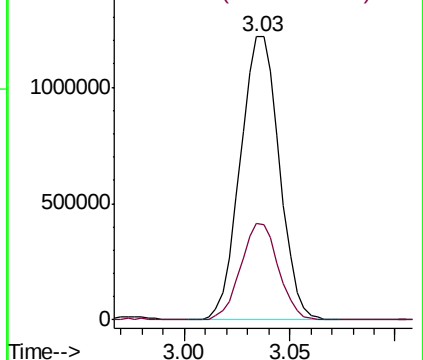
85 100

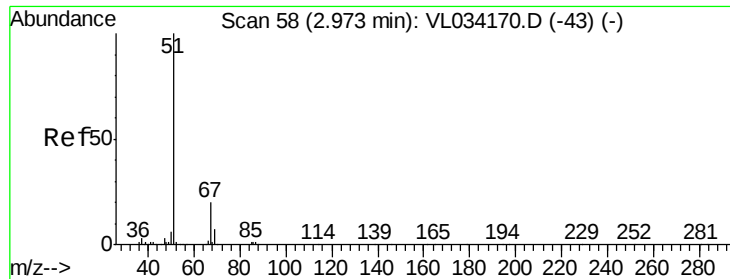
87 34.0 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

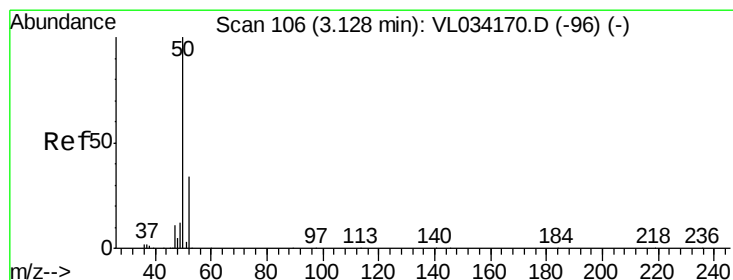
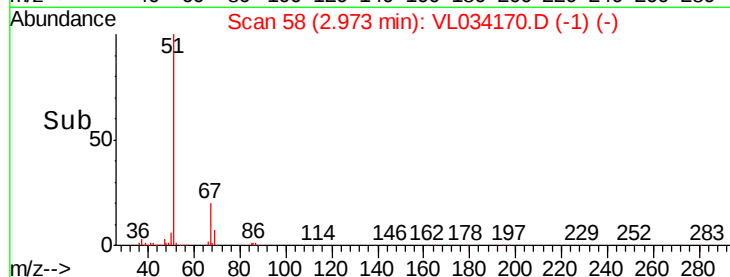
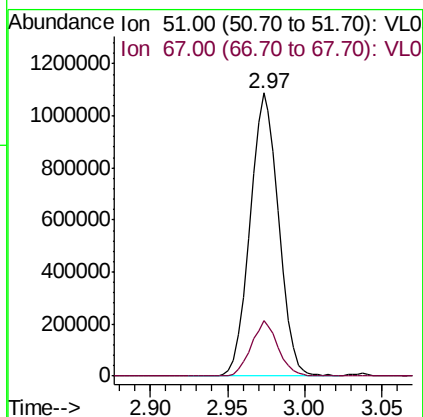
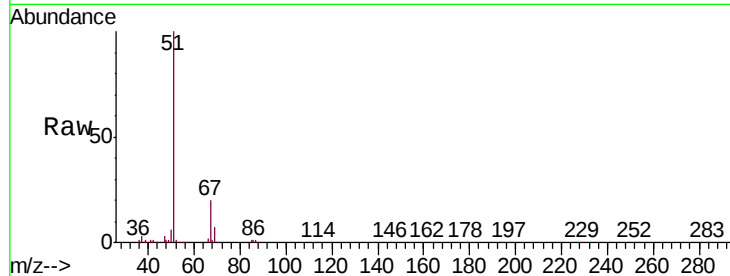




#3
 Chlorodifluoromethane
 Concen: 9.659 ppbv
 RT: 2.97 min Scan# 58
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

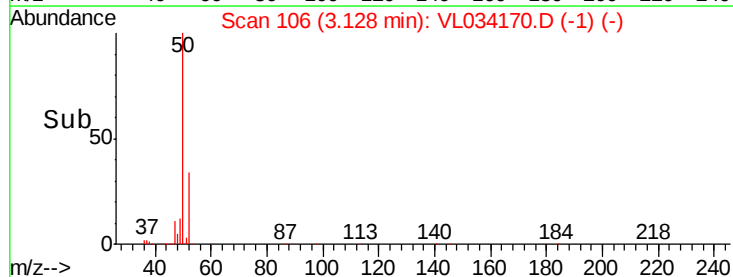
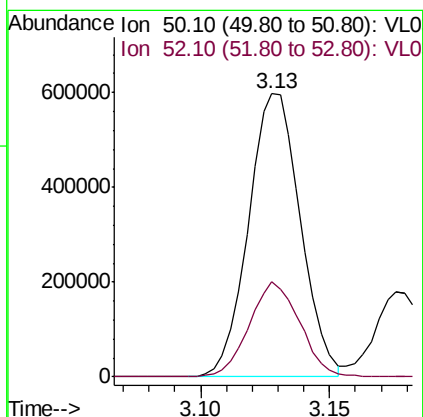
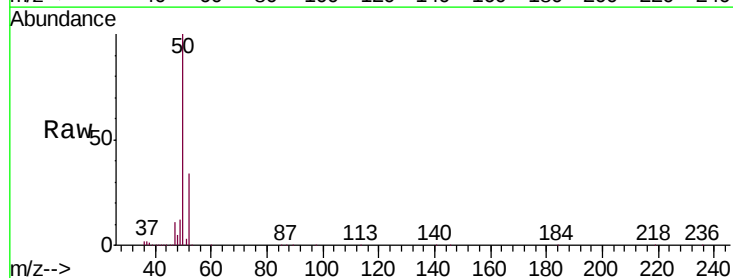
Instrument :
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 VSTDICCC010

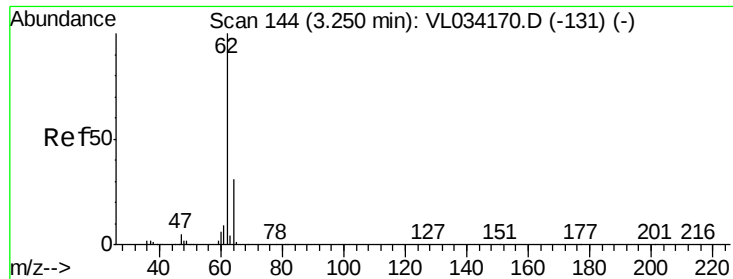
Tgt Ion: 51 Resp: 1401136
 Ion Ratio Lower Upper
 51 100
 67 18.5 14.8 22.2



#4
 Chloromethane
 Concen: 9.339 ppbv
 RT: 3.13 min Scan# 106
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

Tgt Ion: 50 Resp: 834469
 Ion Ratio Lower Upper
 50 100
 52 33.9 27.1 40.7





#5

Vinyl Chloride

Concen: 9.037 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Instrument :

MSVOA_L

ClientSampleId :

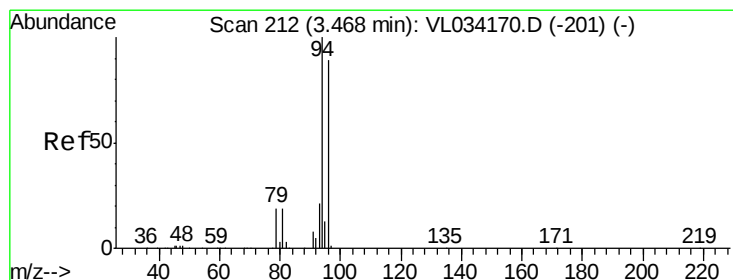
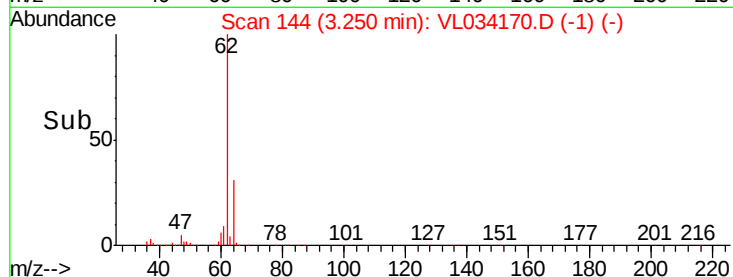
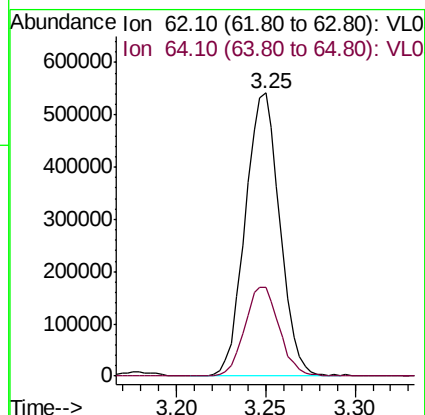
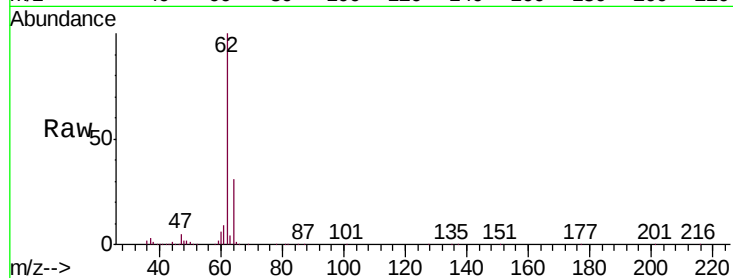
VSTDICCC010

Tgt Ion: 62 Resp: 736257

Ion Ratio Lower Upper

62 100

64 31.5 25.2 37.8



#6

Bromomethane

Concen: 9.078 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.00 min

Lab File: VL034170.D

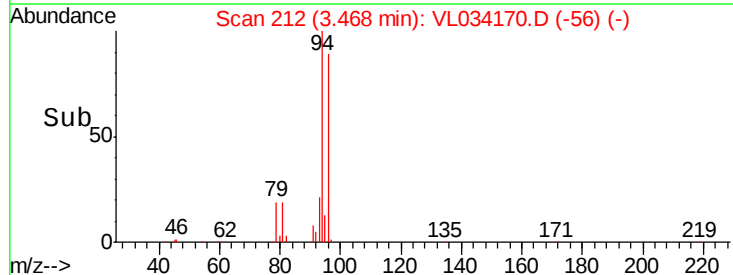
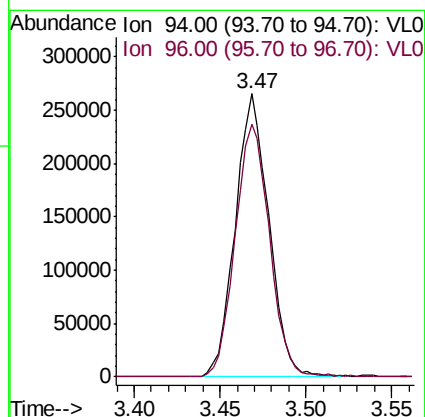
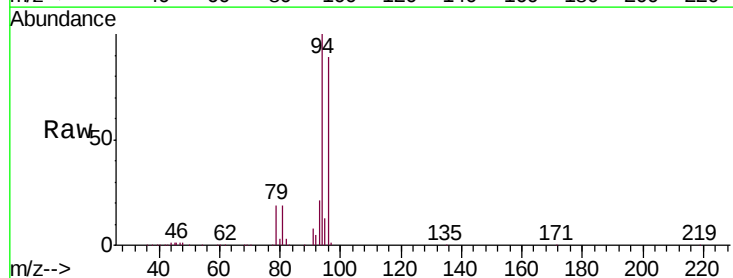
Acq: 17 Sep 2019 4:10

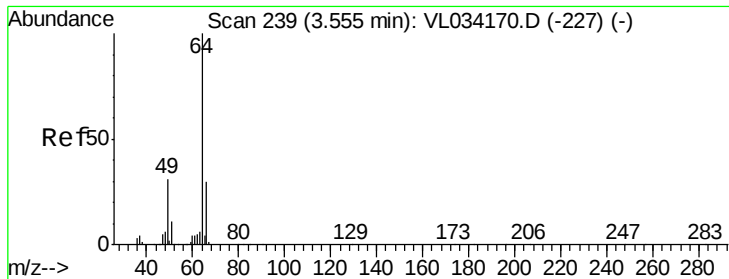
Tgt Ion: 94 Resp: 360896

Ion Ratio Lower Upper

94 100

96 89.1 71.3 106.9





#7

Chloroethane

Concen: 9.610 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.00 min

Lab File: VL034170.D

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ClientSampleId :

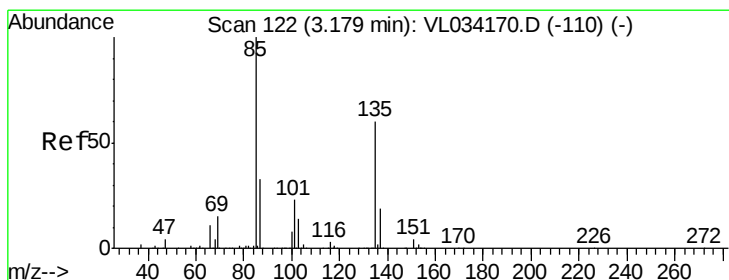
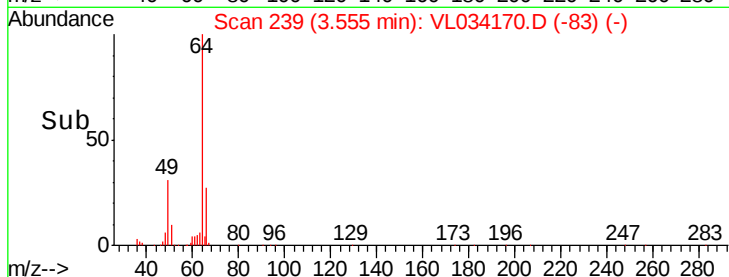
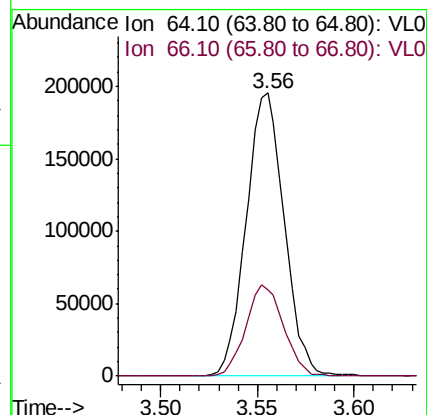
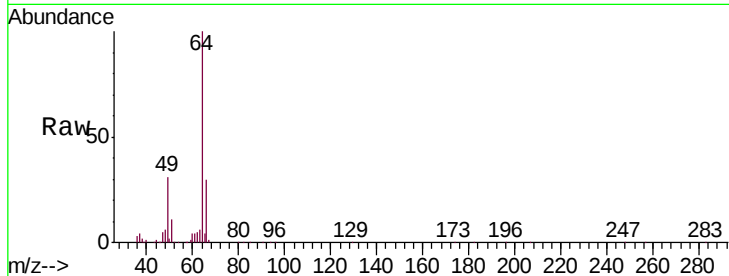
VSTDICCC010

Tgt Ion: 64 Resp: 267665

Ion Ratio Lower Upper

64 100

66 30.3 24.2 36.4



#8

Dichlorotetrafluoroethane

Concen: 8.895 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

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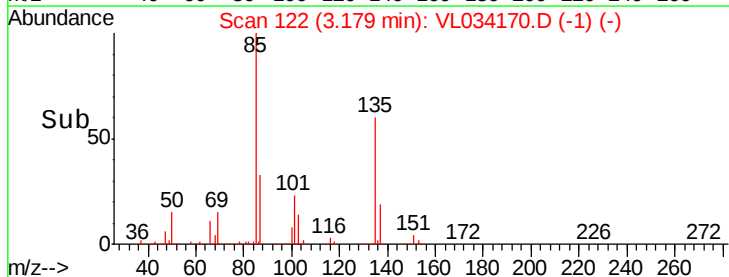
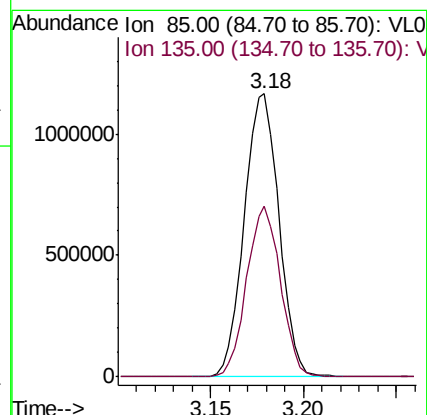
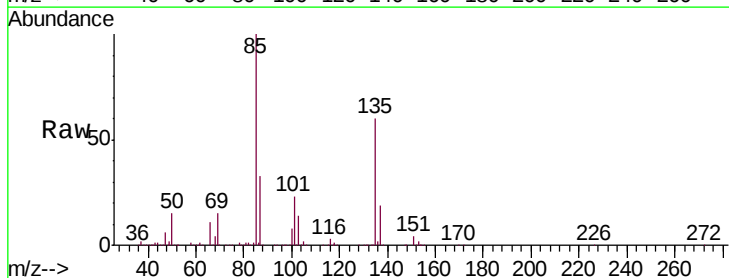
Acq: 17 Sep 2019 4:10

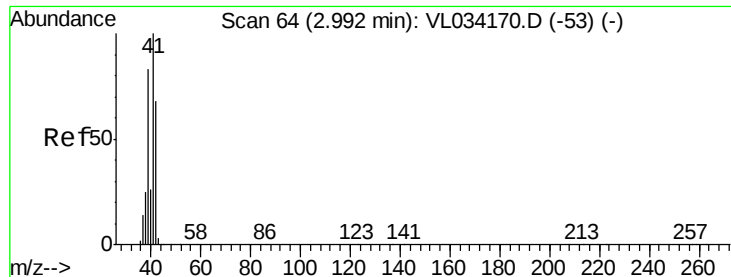
Tgt Ion: 85 Resp: 1510208

Ion Ratio Lower Upper

85 100

135 59.1 47.3 70.9





#9

Propene

Concen: 8.919 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.00 min

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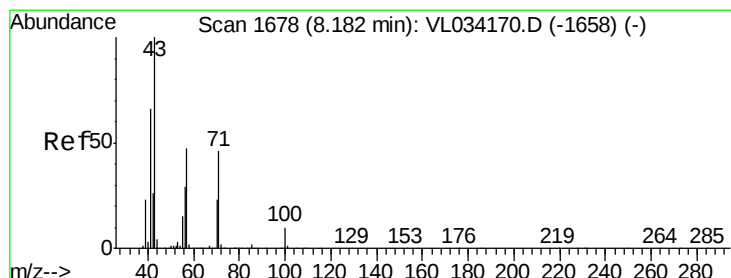
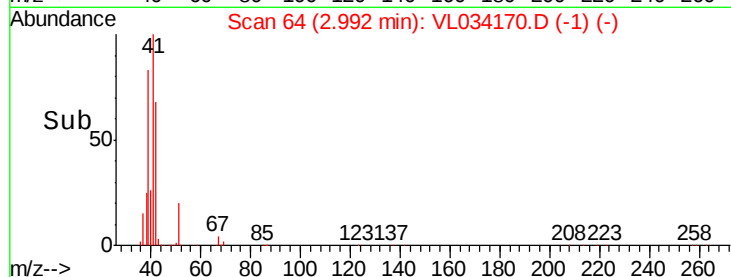
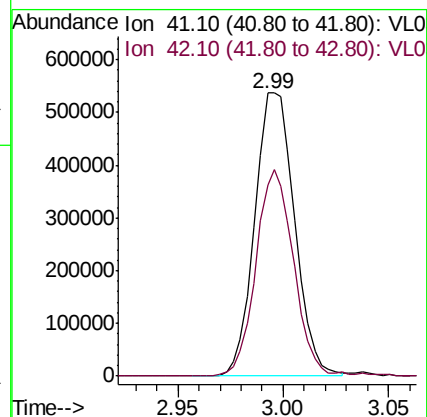
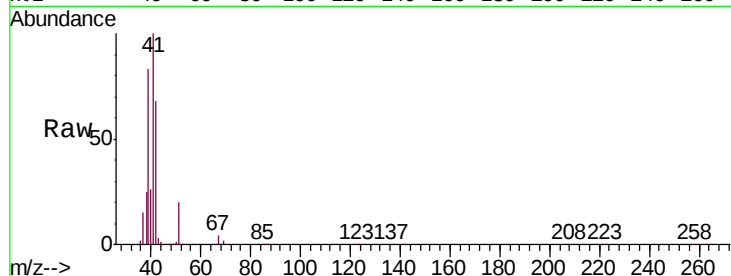
VSTDICCC010

Tgt Ion: 41 Resp: 706851

Ion Ratio Lower Upper

41 100

42 69.7 55.8 83.6



#10

Heptane

Concen: 8.953 ppbv

RT: 8.18 min Scan# 1678

Delta R.T. 0.00 min

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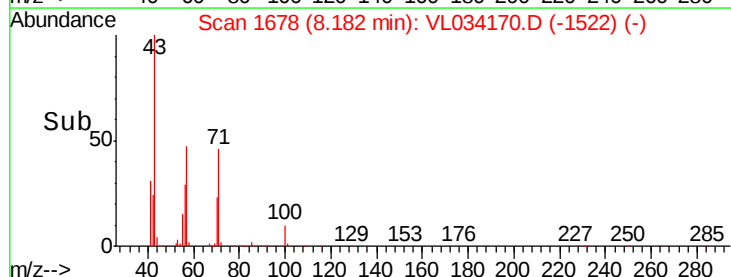
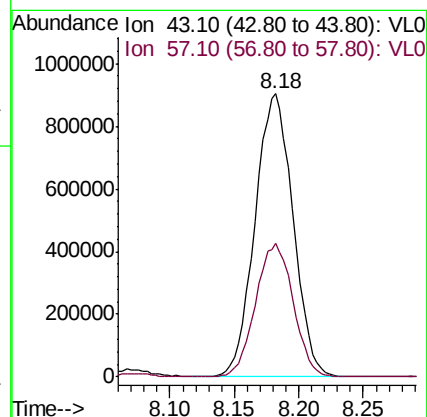
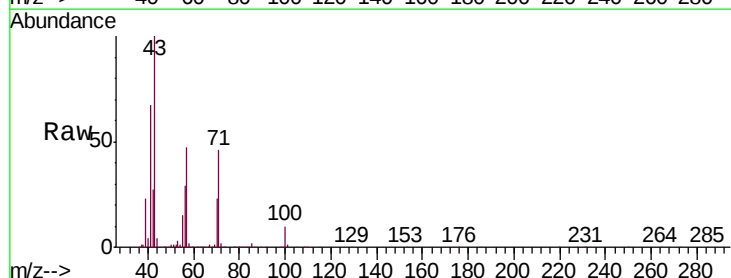
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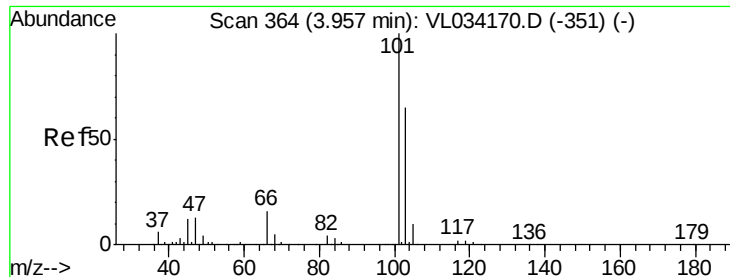
Tgt Ion: 43 Resp: 1850255

Ion Ratio Lower Upper

43 100

57 46.8 37.5 56.3

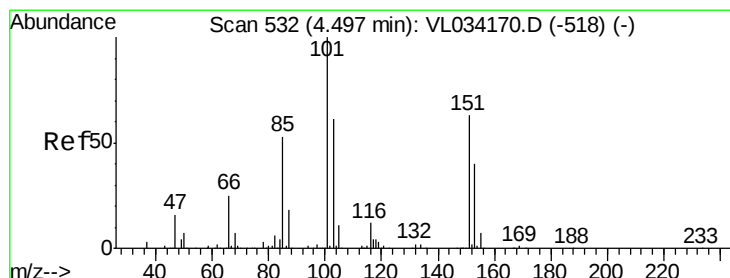
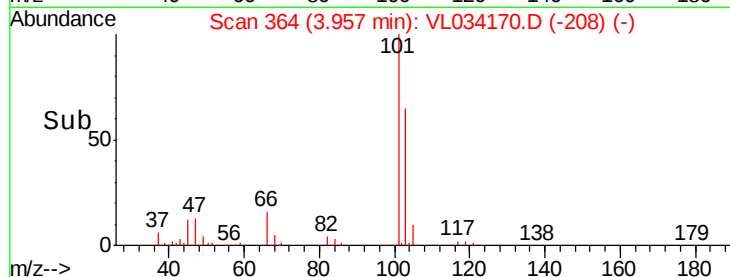
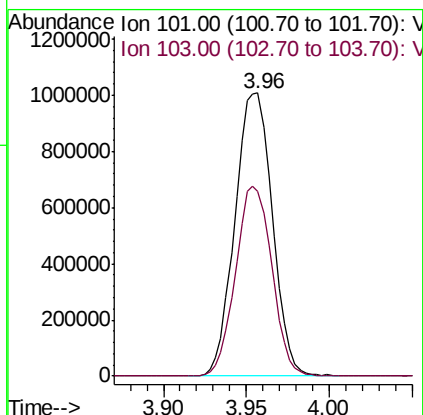
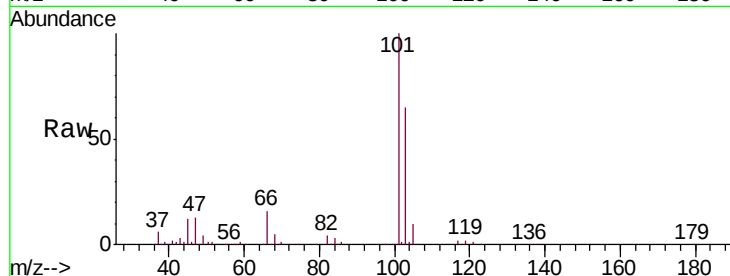




#11
 Trichlorofluoromethane
 Concen: 9.190 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

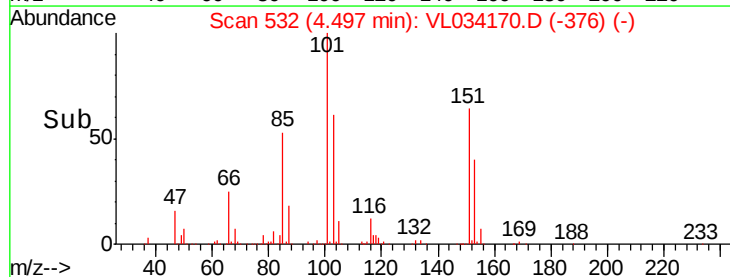
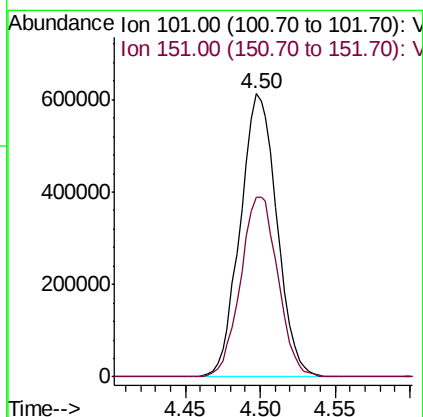
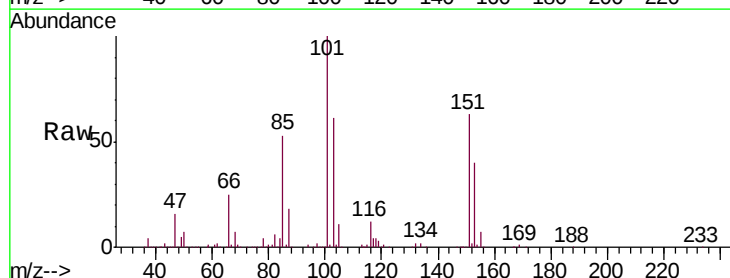
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

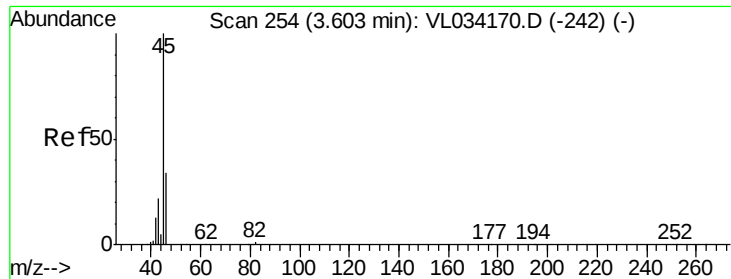
Tgt Ion:101 Resp: 1587576
 Ion Ratio Lower Upper
 101 100
 103 65.1 52.1 78.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.089 ppbv
 RT: 4.50 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

Tgt Ion:101 Resp: 1043710
 Ion Ratio Lower Upper
 101 100
 151 64.8 51.8 77.8

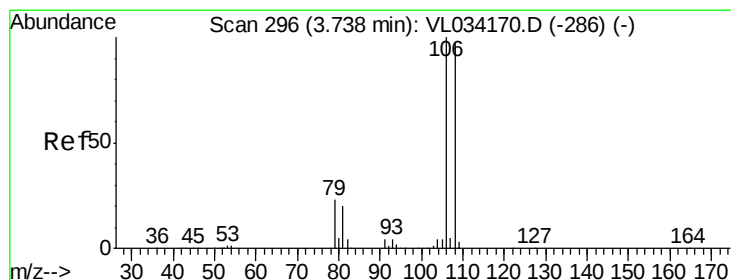
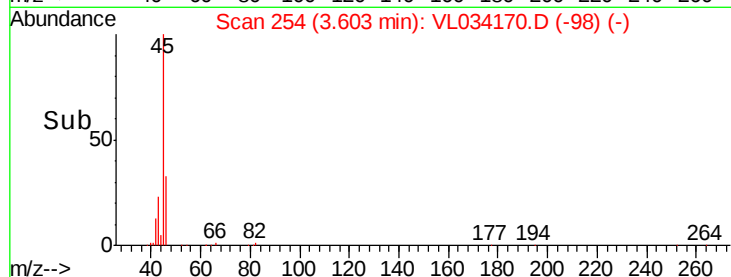
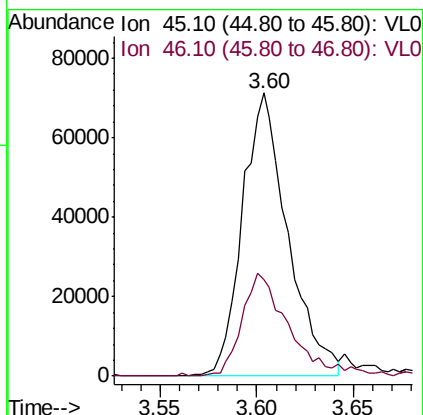
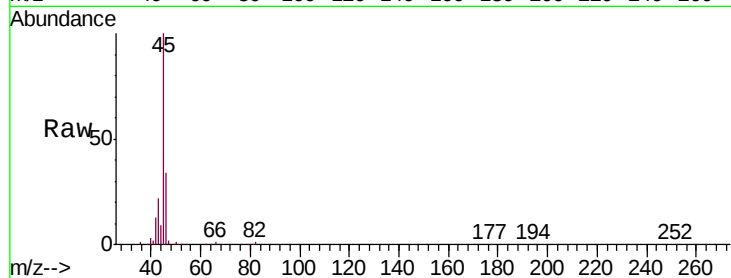




#13
Ethanol
Concen: 7.530 ppbv
RT: 3.60 min Scan# 254
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

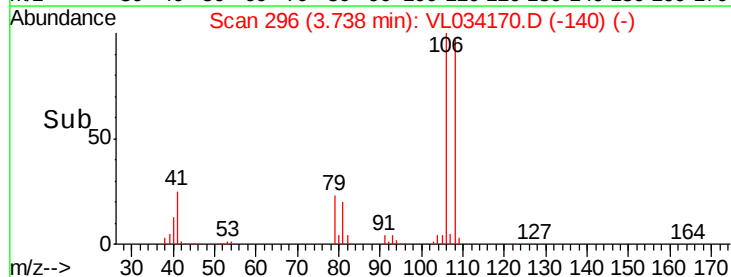
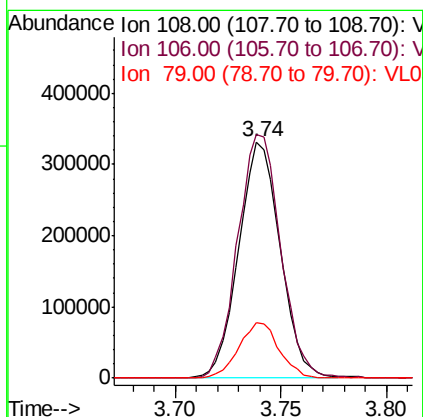
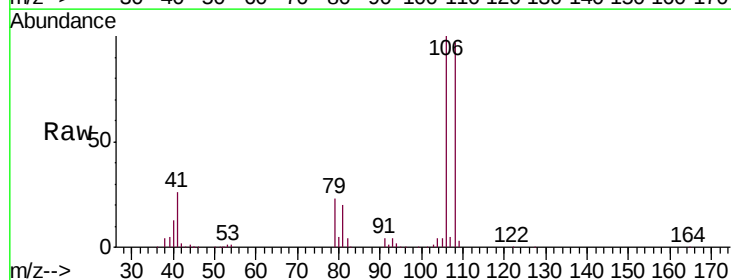
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

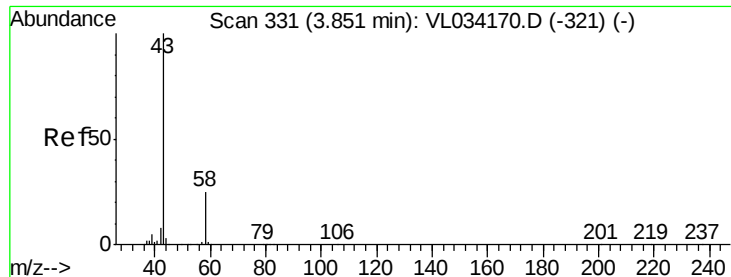
Tgt Ion: 45 Resp: 116335
Ion Ratio Lower Upper
45 100
46 38.7 15.5 61.9



#14
Bromoethene
Concen: 9.145 ppbv
RT: 3.74 min Scan# 296
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

Tgt Ion: 108 Resp: 453273
Ion Ratio Lower Upper
108 100
106 107.7 86.2 129.4
79 23.2 18.6 27.8





#15

Acetone

Concen: 8.771 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Instrument :

MSVOA_L

ClientSampleId :

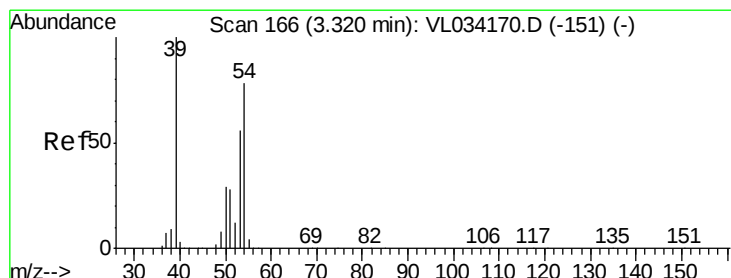
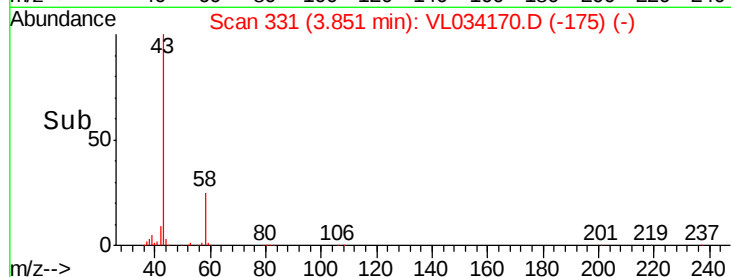
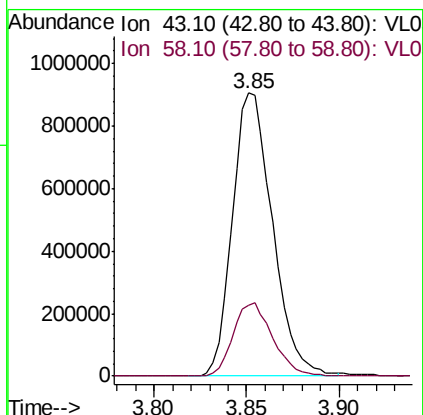
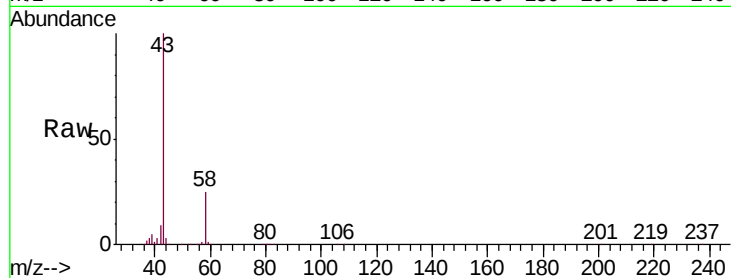
VSTDICCC010

Tgt Ion: 43 Resp: 1358644

Ion Ratio Lower Upper

43 100

58 25.6 20.5 30.7



#16

1,3-Butadiene

Concen: 9.290 ppbv

RT: 3.32 min Scan# 166

Delta R.T. 0.00 min

Lab File: VL034170.D

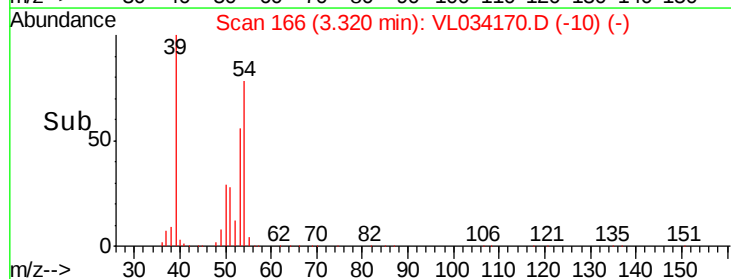
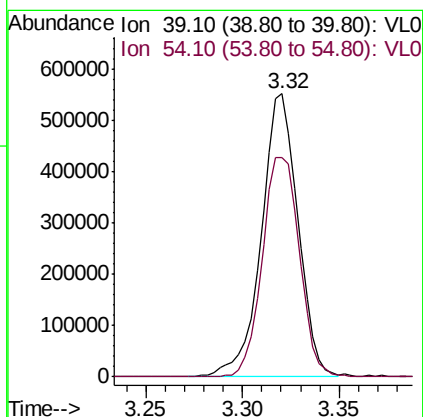
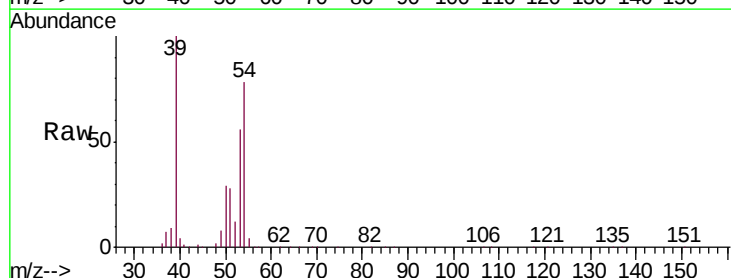
Acq: 17 Sep 2019 4:10

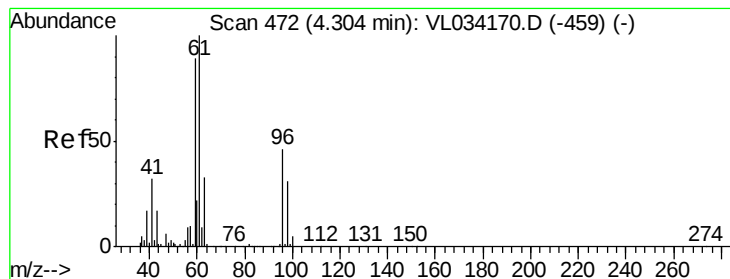
Tgt Ion: 39 Resp: 725428

Ion Ratio Lower Upper

39 100

54 79.2 63.4 95.0





#17

tert-Butyl alcohol

Concen: 9.232 ppbv

RT: 4.30 min Scan# 472

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Instrument :

MSVOA_L

ClientSampleId :

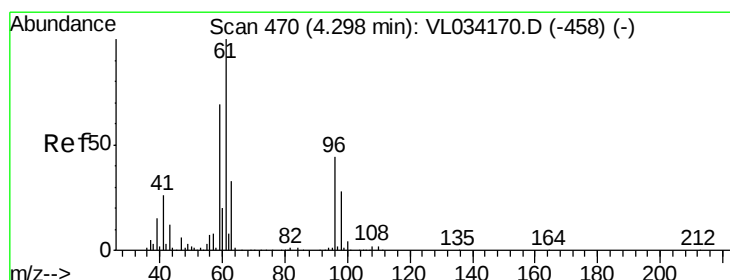
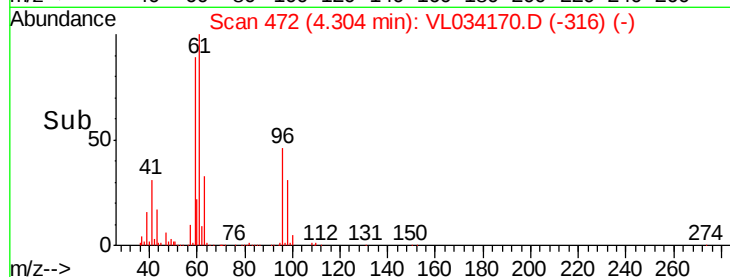
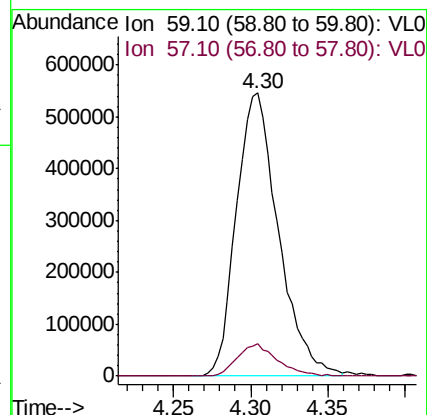
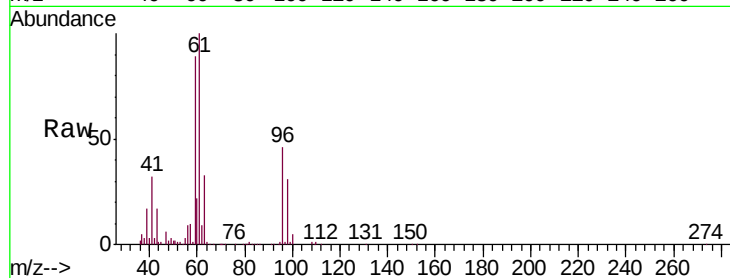
VSTDICCC010

Tgt Ion: 59 Resp: 1030737

Ion Ratio Lower Upper

59 100

57 10.9 8.7 13.1



#18

1,1-Dichloroethene

Concen: 9.184 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

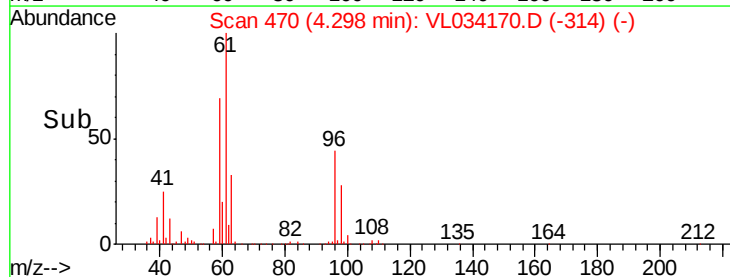
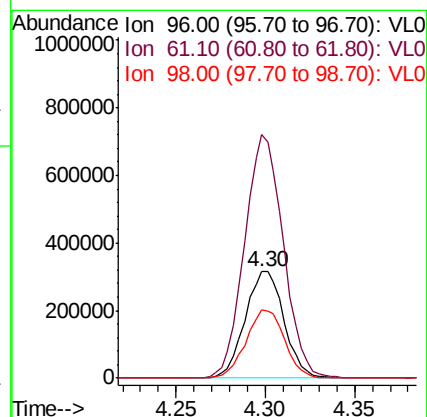
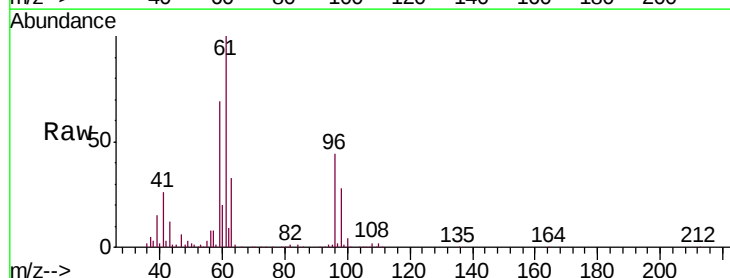
Tgt Ion: 96 Resp: 479109

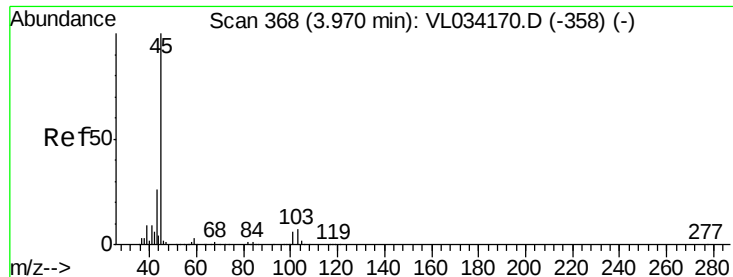
Ion Ratio Lower Upper

96 100

61 229.1 183.3 274.9

98 64.3 51.4 77.2





#19

Isopropyl Alcohol

Concen: 8.519 ppbv

RT: 3.97 min Scan# 368

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Instrument :

MSVOA_L

ClientSampleId :

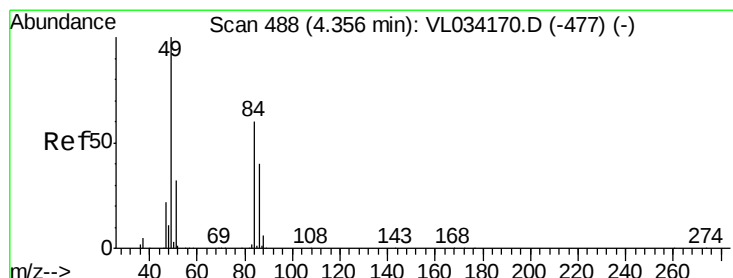
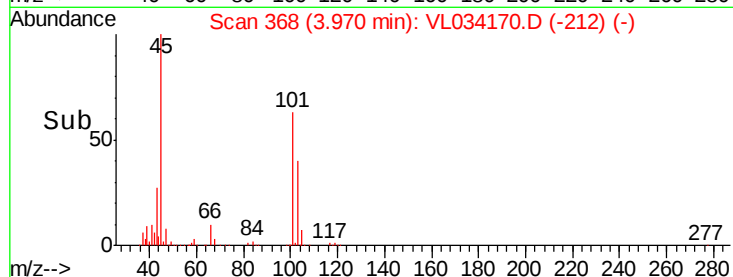
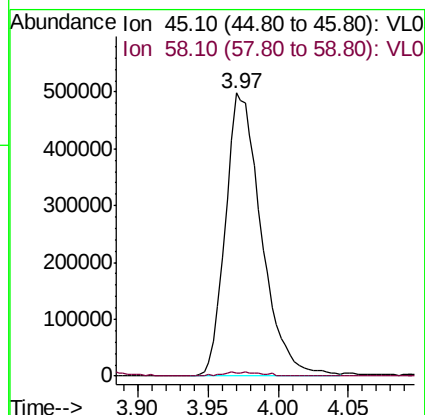
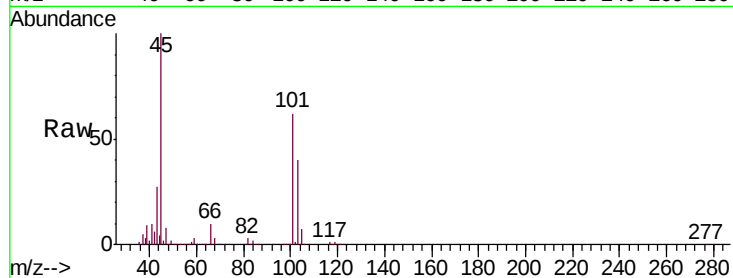
VSTDICCC010

Tgt Ion: 45 Resp: 883174

Ion Ratio Lower Upper

45 100

58 1.7 1.4 2.0



#20

Methylene Chloride

Concen: 8.446 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Tgt Ion: 84 Resp: 428275

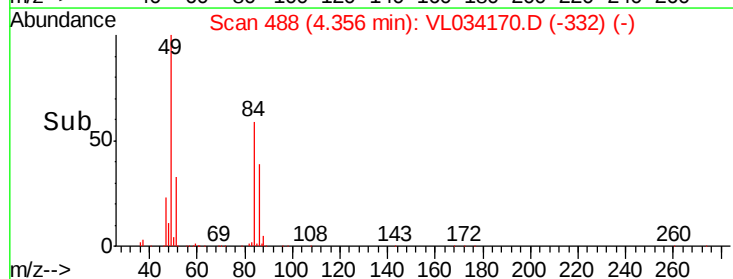
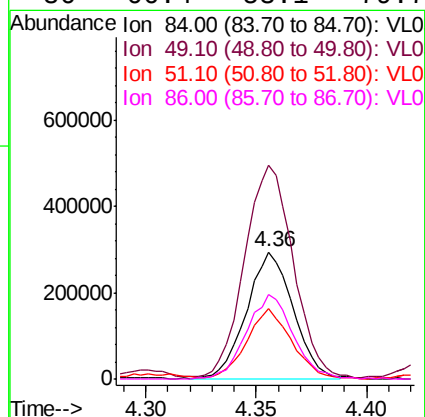
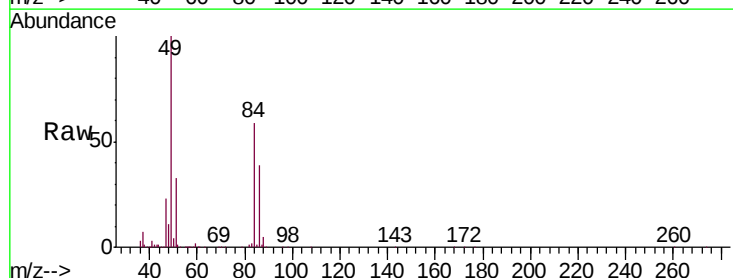
Ion Ratio Lower Upper

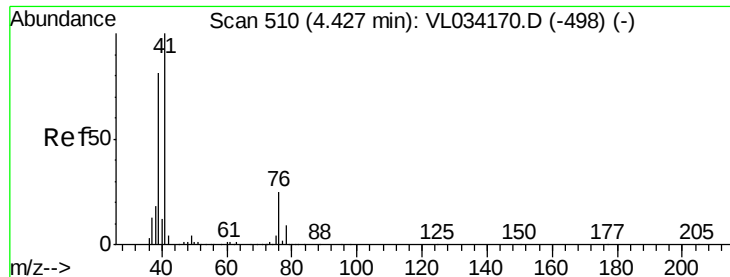
84 100

49 167.3 133.8 200.8

51 54.5 43.6 65.4

86 66.4 53.1 79.7

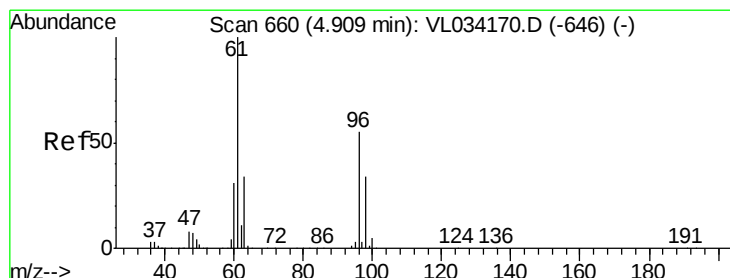
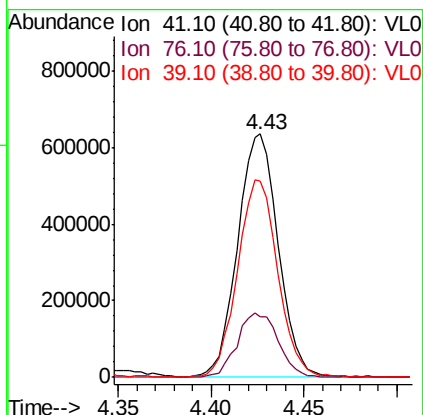
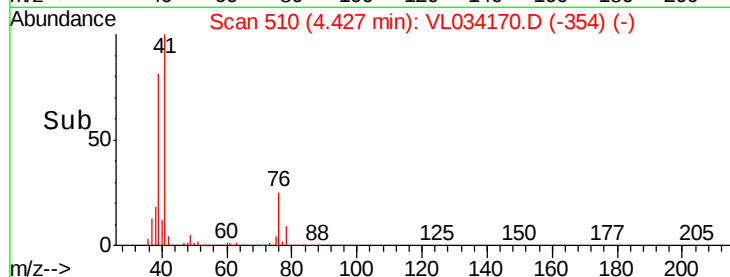
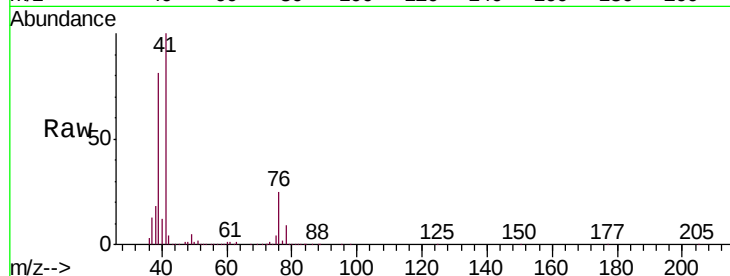




#21
 Allyl Chloride
 Concen: 9.475 ppbv
 RT: 4.43 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

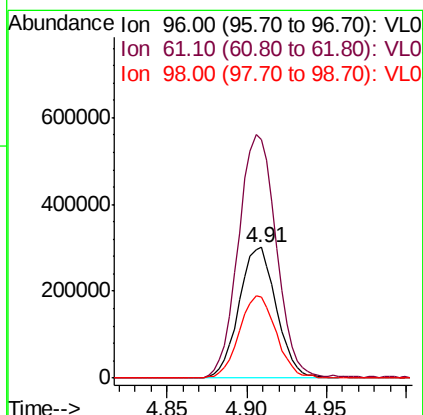
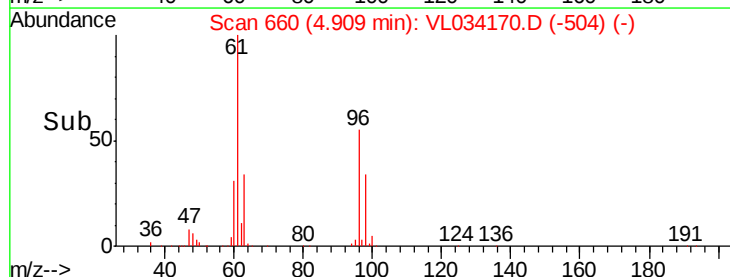
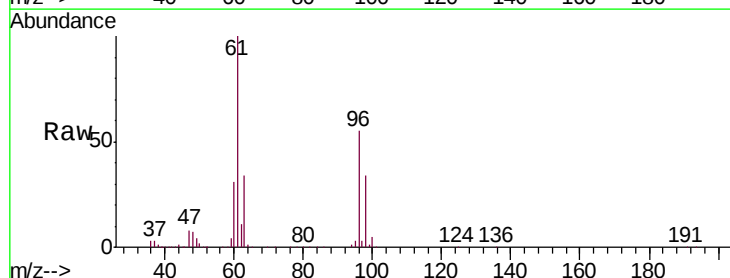
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

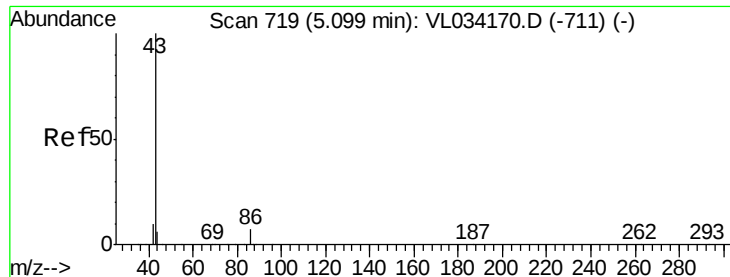
Tgt Ion: 41 Resp: 962826
 Ion Ratio Lower Upper
 41 100
 76 27.2 21.8 32.6
 39 81.0 64.8 97.2



#22
 trans-1,2-Dichloroethene
 Concen: 9.167 ppbv
 RT: 4.91 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

Tgt Ion: 96 Resp: 480494
 Ion Ratio Lower Upper
 96 100
 61 181.9 145.5 218.3
 98 62.4 49.9 74.9



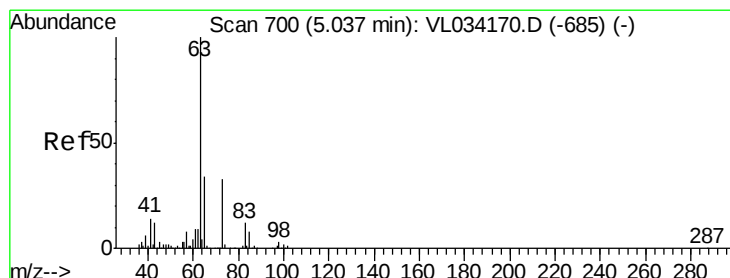
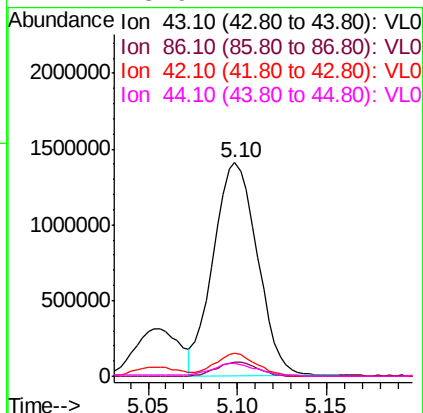
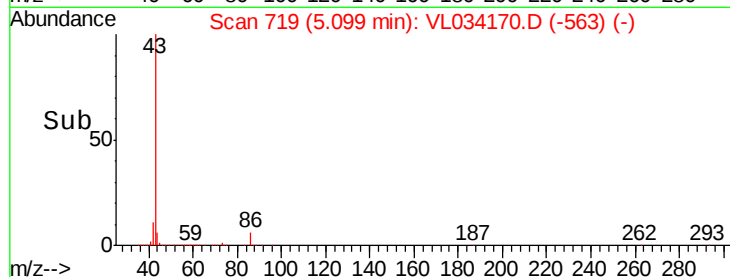
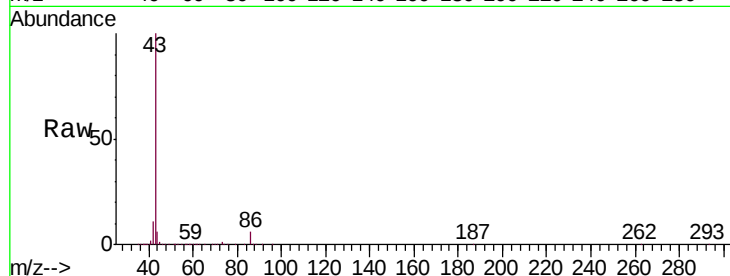


#23
 Vinyl Acetate
 Concen: 9.249 ppbv
 RT: 5.10 min Scan# 719
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 43 Resp: 2410975

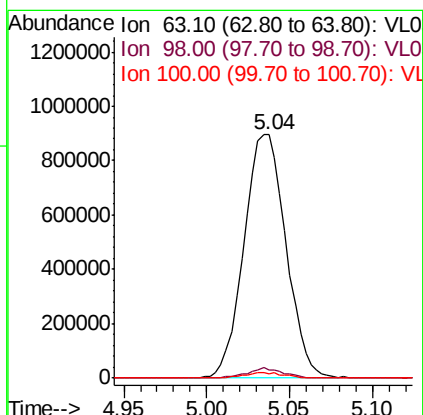
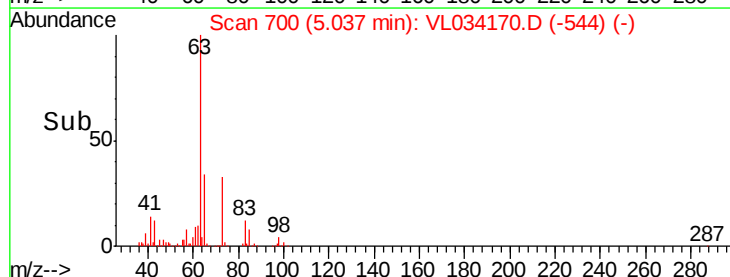
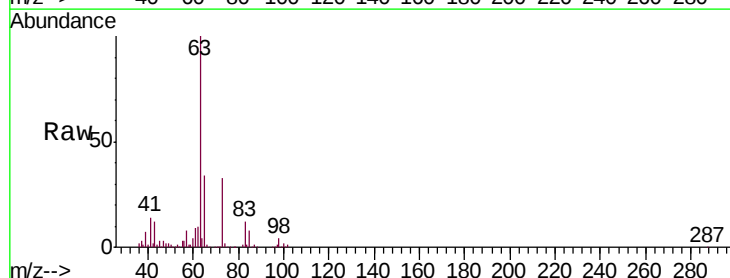
Ion	Ratio	Lower	Upper
43	100		
86	6.4	5.1	7.7
42	10.7	8.6	12.8
44	5.9	4.7	7.1

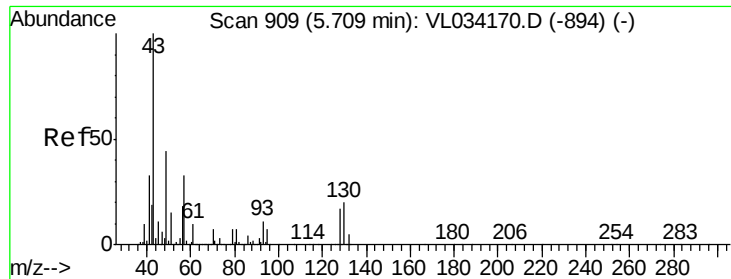


#24
 1,1-Dichloroethane
 Concen: 9.035 ppbv
 RT: 5.04 min Scan# 700
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

Tgt Ion: 63 Resp: 1569560

Ion	Ratio	Lower	Upper
63	100		
98	3.5	1.8	5.3
100	2.0	1.0	3.0





#25

Ethyl Acetate

Concen: 8.567 ppbv

RT: 5.71 min Scan# 909

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 2898196

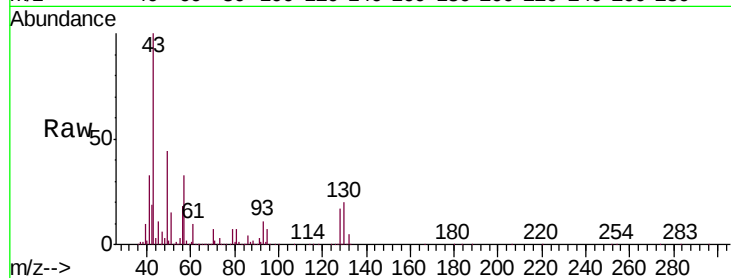
Ion Ratio Lower Upper

43 100

45 10.5 8.4 12.6

61 8.9 7.2 10.8

70 6.6 5.3 7.9

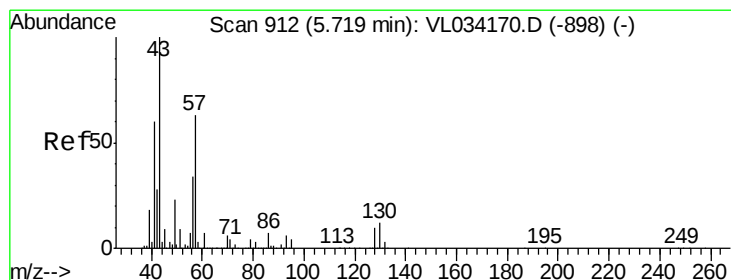
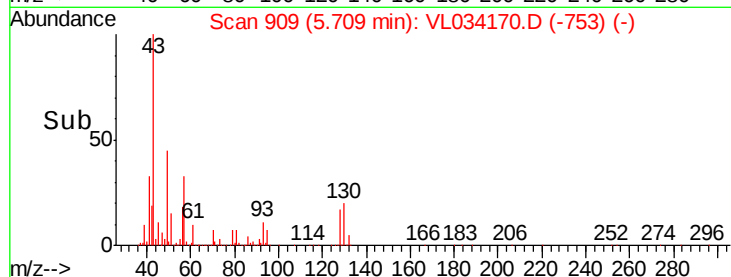
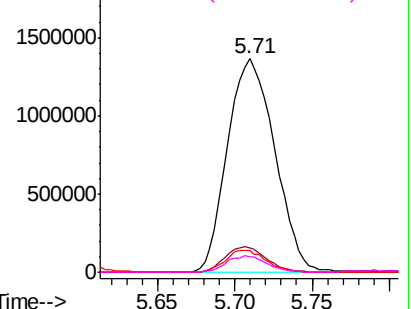


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 8.194 ppbv

RT: 5.72 min Scan# 912

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Tgt Ion: 57 Resp: 1231375

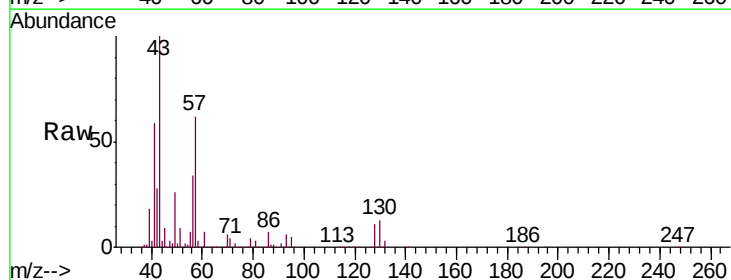
Ion Ratio Lower Upper

57 100

41 97.9 78.5 117.7

43 237.3 189.5 284.3

56 54.0 43.2 64.8

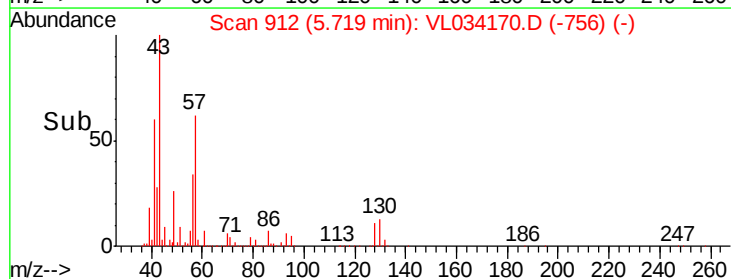
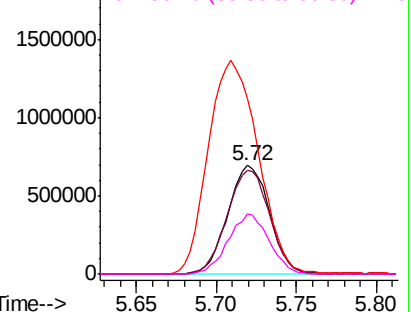


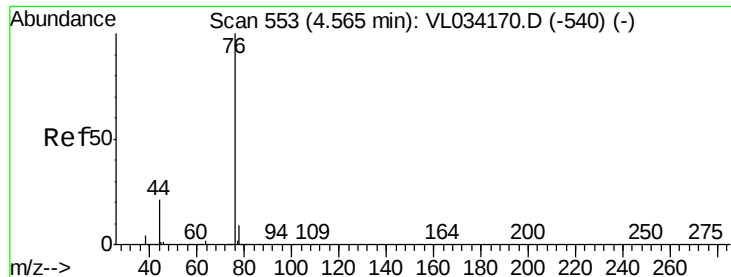
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 9.639 ppbv

RT: 4.56 min Scan# 553

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

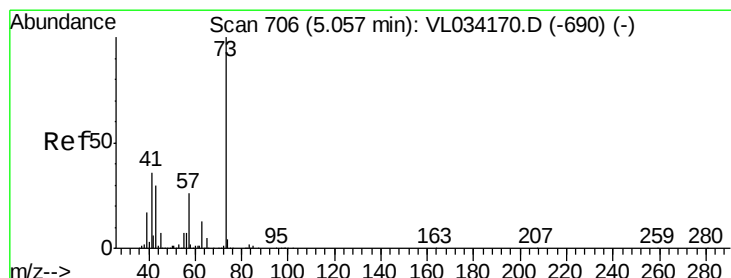
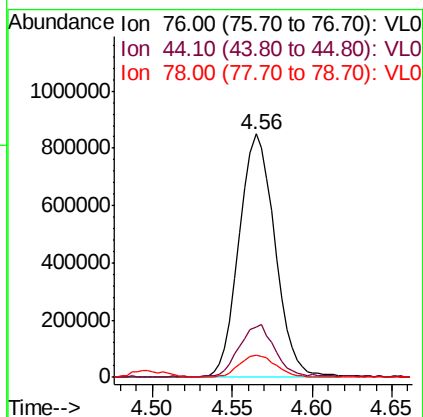
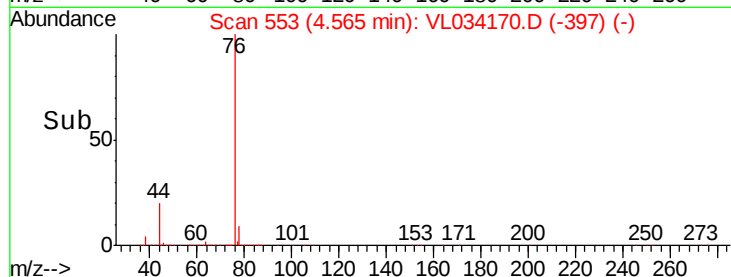
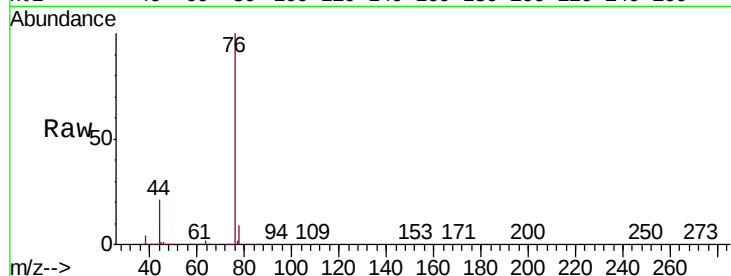
Tgt Ion: 76 Resp: 1300292

Ion Ratio Lower Upper

76 100

44 22.0 17.6 26.4

78 9.5 7.6 11.4



#28

Methyl tert-Butyl Ether

Concen: 8.769 ppbv

RT: 5.06 min Scan# 706

Delta R.T. 0.00 min

Lab File: VL034170.D

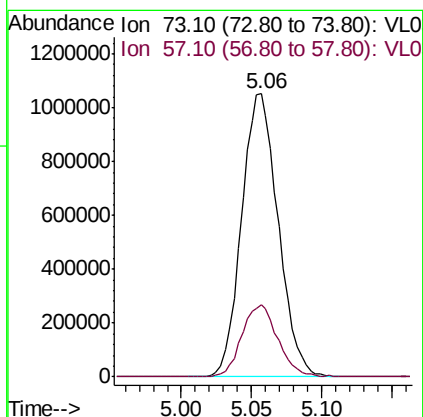
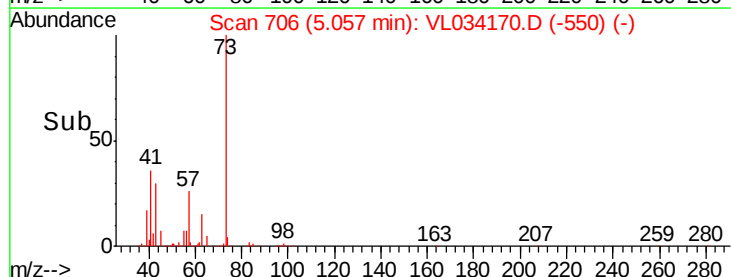
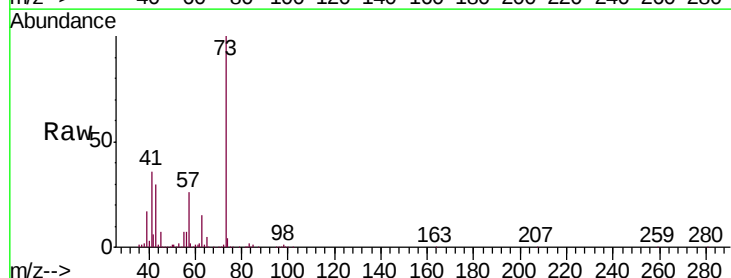
Acq: 17 Sep 2019 4:10

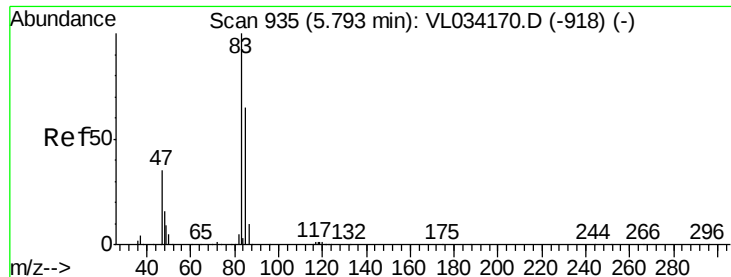
Tgt Ion: 73 Resp: 1910666

Ion Ratio Lower Upper

73 100

57 25.2 20.2 30.2





#29

Chloroform

Concen: 8.980 ppbv

RT: 5.79 min Scan# 935

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Instrument :

MSVOA_L

ClientSampleId :

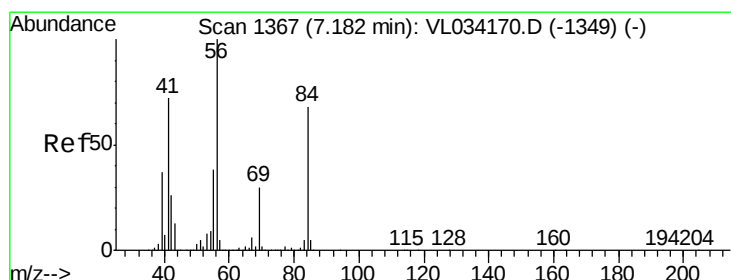
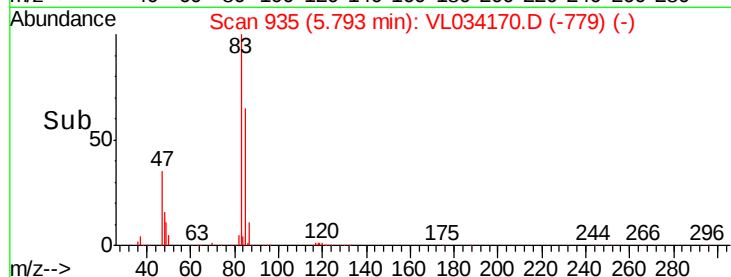
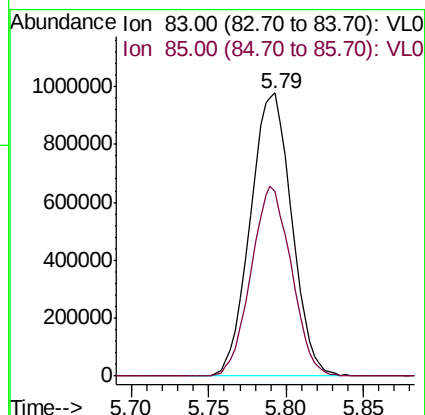
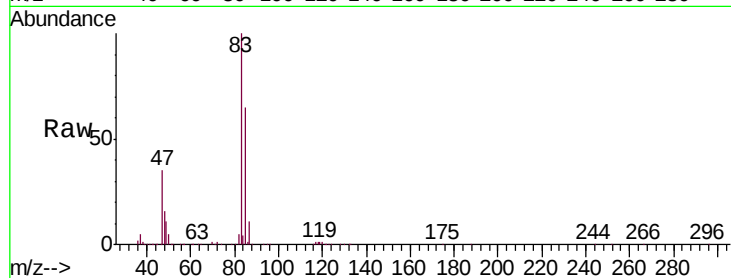
VSTDICCC010

Tgt Ion: 83 Resp: 1821173

Ion Ratio Lower Upper

83 100

85 65.4 52.3 78.5



#30

Cyclohexane

Concen: 8.837 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

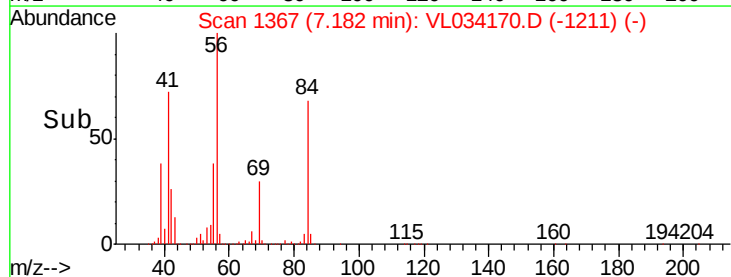
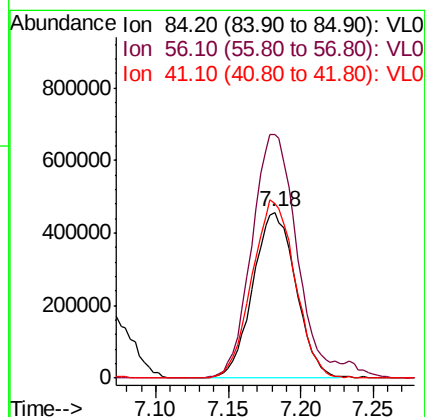
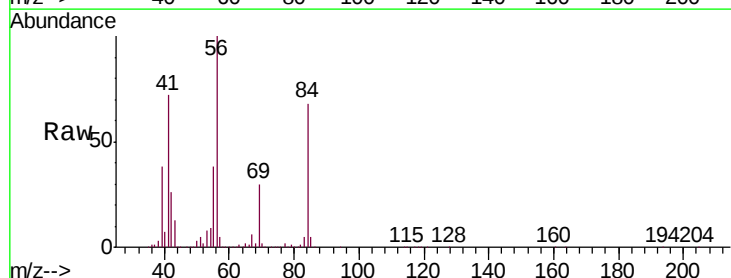
Tgt Ion: 84 Resp: 949603

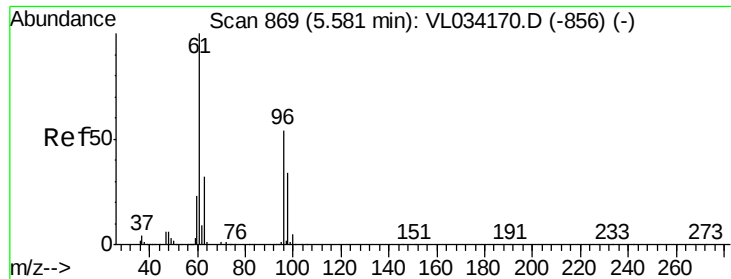
Ion Ratio Lower Upper

84 100

56 157.7 126.2 189.2

41 107.3 85.8 128.8

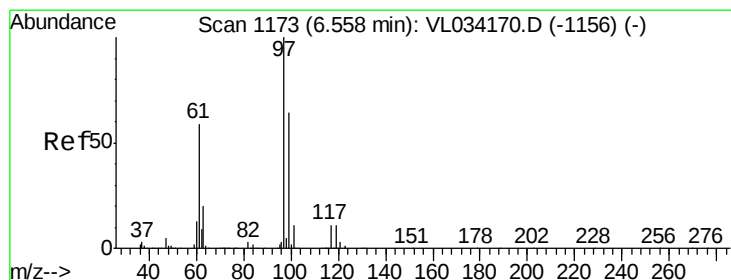
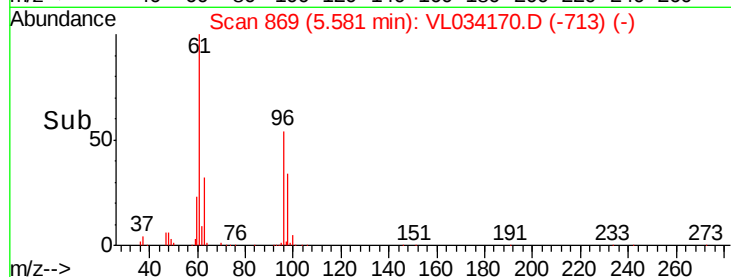
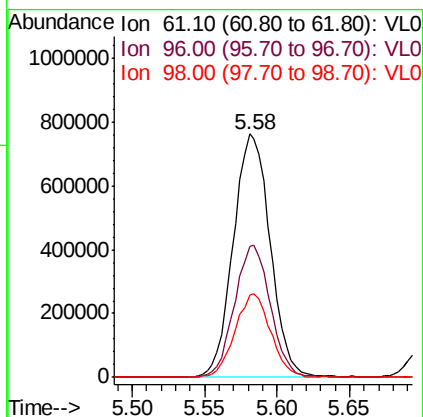
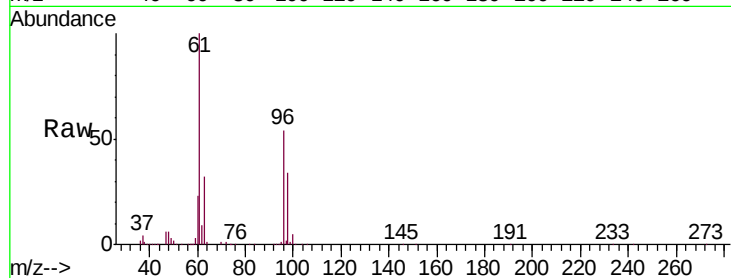




#31
 cis-1,2-Dichloroethene
 Concen: 9.330 ppbv
 RT: 5.58 min Scan# 869
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

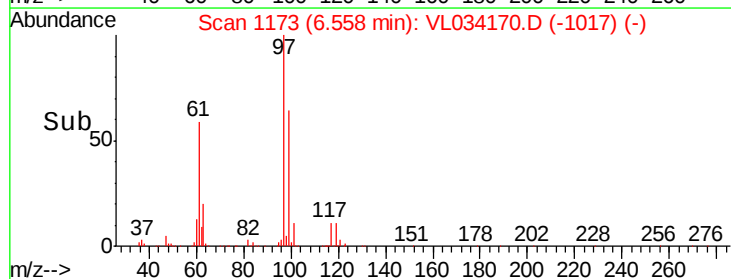
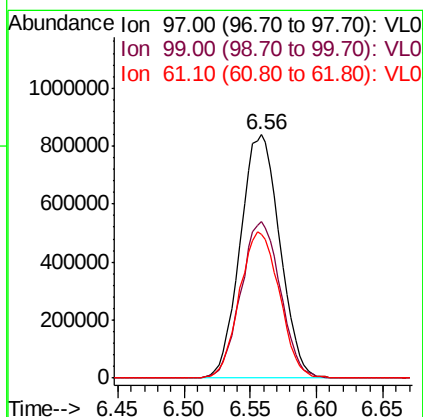
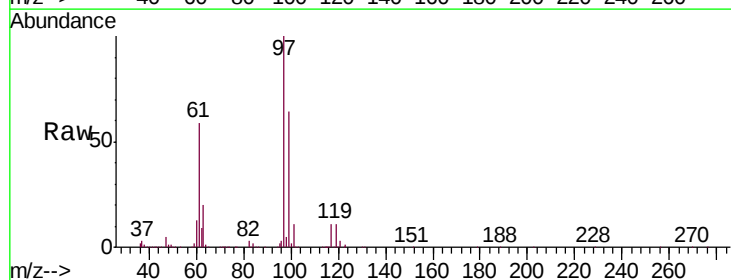
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

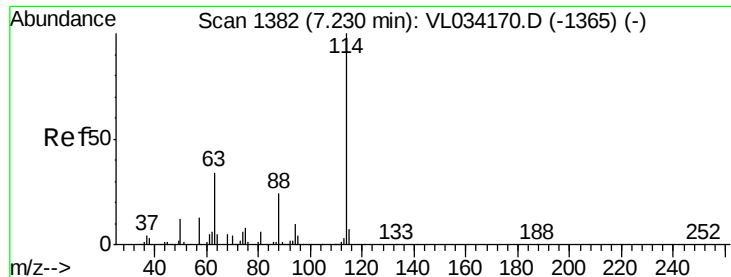
Tgt Ion: 61 Resp: 1344392
 Ion Ratio Lower Upper
 61 100
 96 53.7 43.0 64.4
 98 34.0 27.2 40.8



#32
 1,1,1-Trichloroethane
 Concen: 9.072 ppbv
 RT: 6.56 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

Tgt Ion: 97 Resp: 1740320
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.4 77.2
 61 60.5 48.4 72.6

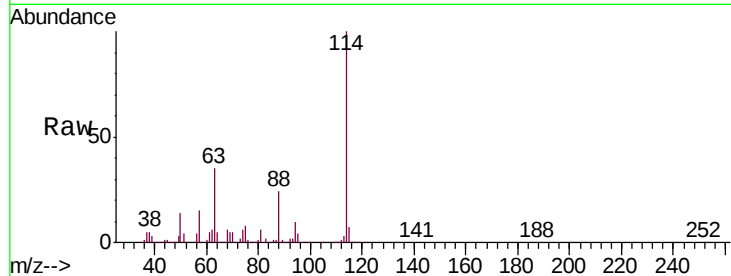




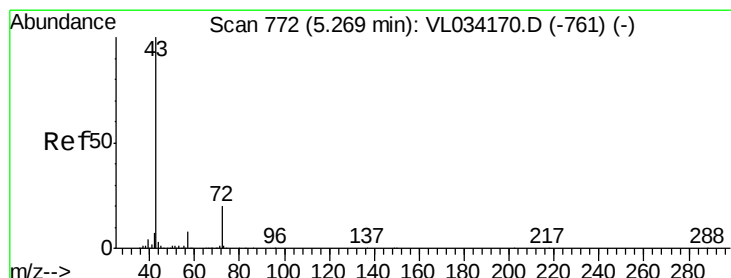
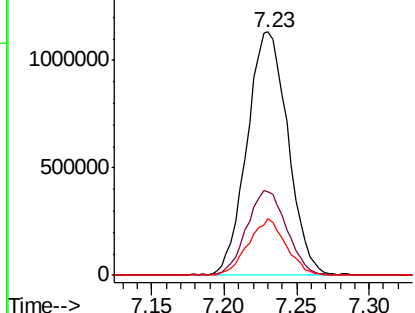
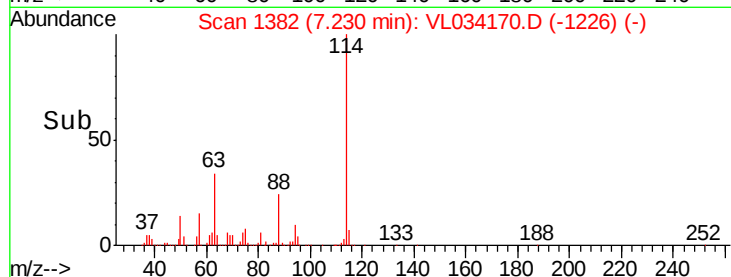
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.23 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion:114 Resp: 2228263
 Ion Ratio Lower Upper
 114 100
 63 34.8 27.8 41.6
 88 21.5 17.1 25.7

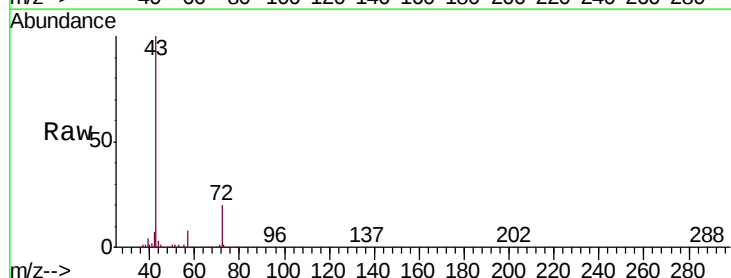


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

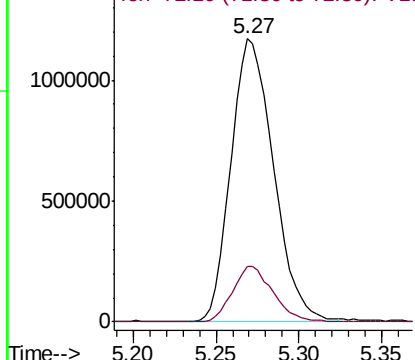
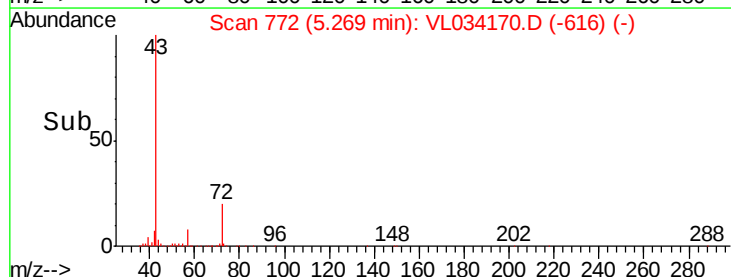


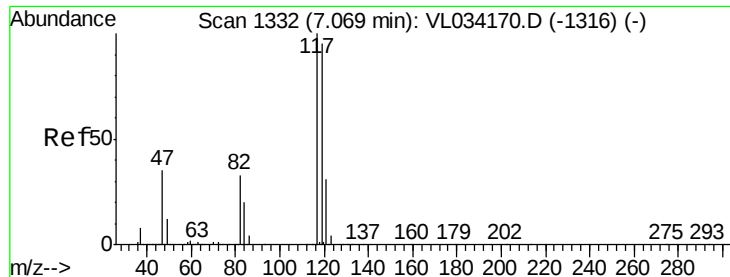
#34
 2-Butanone
 Concen: 9.574 ppbv
 RT: 5.27 min Scan# 772
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

Tgt Ion: 43 Resp: 2085382
 Ion Ratio Lower Upper
 43 100
 72 18.8 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: 9.773 ppbv

RT: 7.07 min Scan# 1332

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

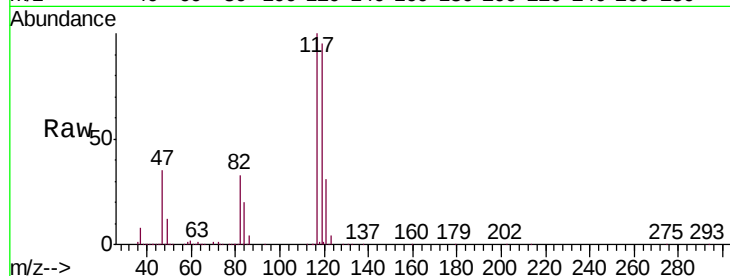
Tgt Ion: 117 Resp: 1720678

Ion Ratio Lower Upper

117 100

119 94.7 75.8 113.6

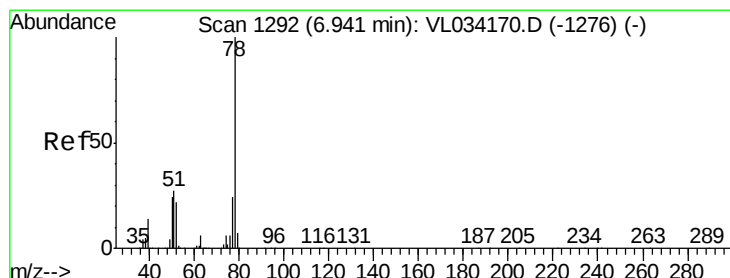
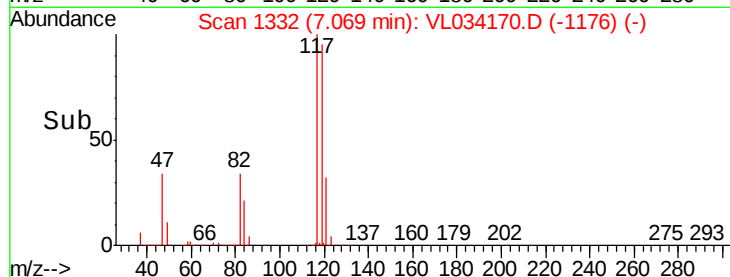
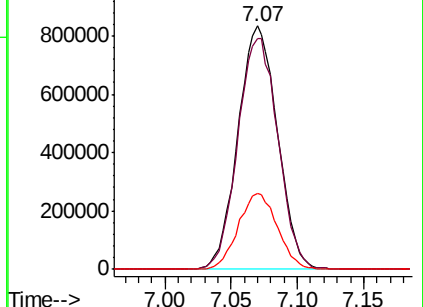
121 31.3 25.0 37.6



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: 8.987 ppbv

RT: 6.94 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

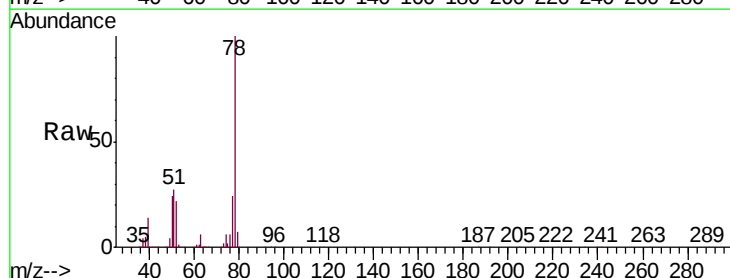
Tgt Ion: 78 Resp: 2286388

Ion Ratio Lower Upper

78 100

77 23.7 19.0 28.4

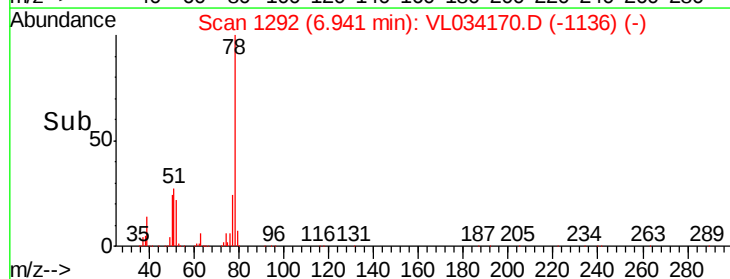
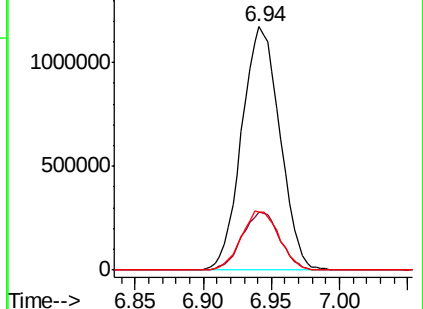
50 23.6 18.9 28.3

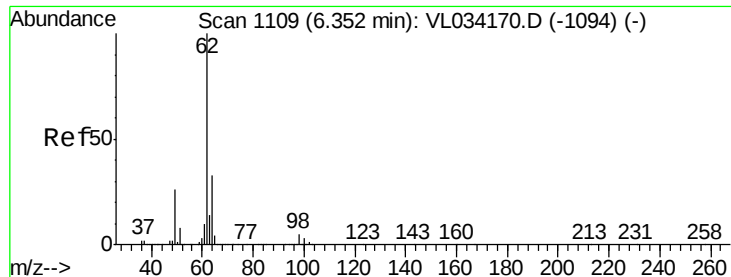


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.228 ppbv

RT: 6.35 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Instrument :

MSVOA_L

ClientSampleId :

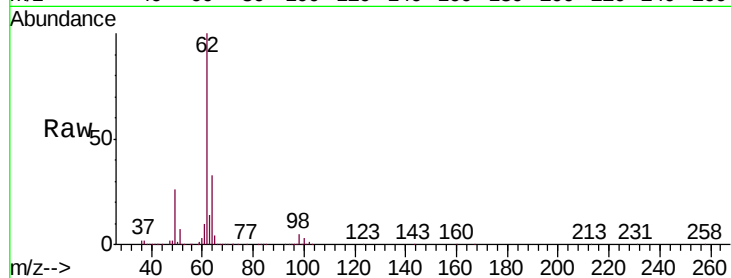
VSTDICCC010

Tgt Ion: 62 Resp: 1648959

Ion Ratio Lower Upper

62 100

98 4.8 3.8 5.8



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.35

800000

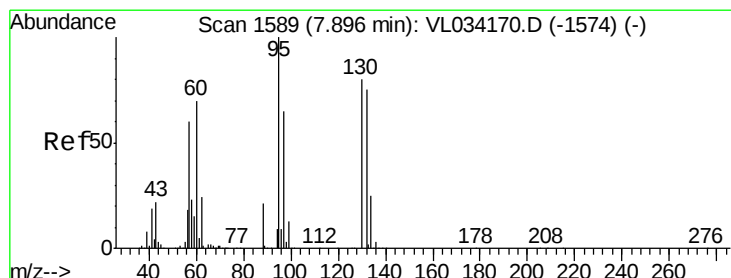
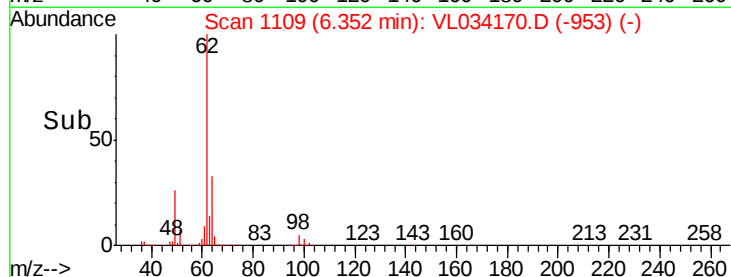
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 8.103 ppbv

RT: 7.90 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Tgt Ion: 130 Resp: 772821

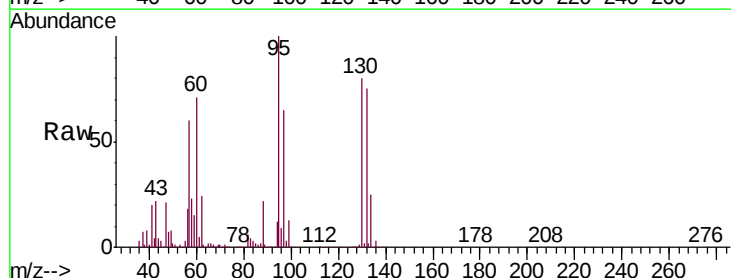
Ion Ratio Lower Upper

130 100

95 124.7 99.8 149.6

132 94.0 75.2 112.8

97 81.2 65.0 97.4



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

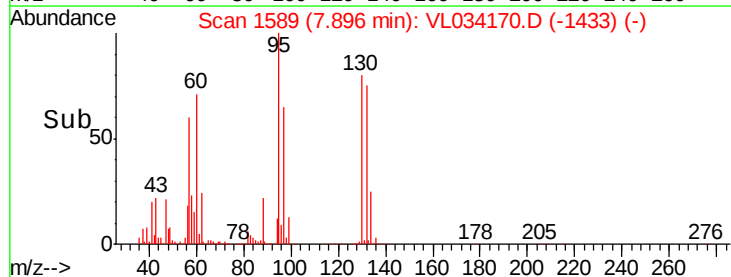
600000

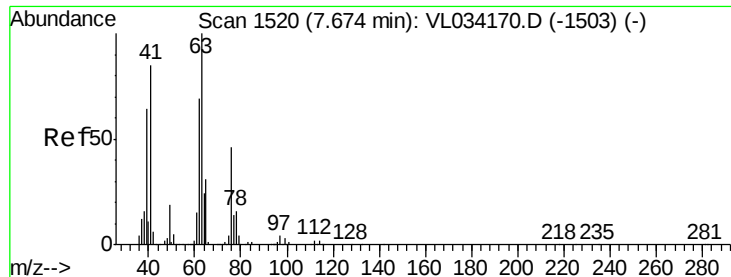
400000

200000

0

Time-->



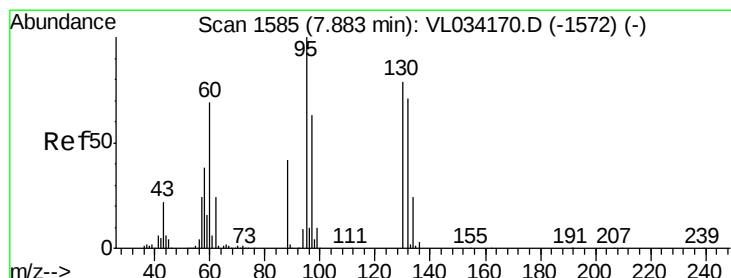
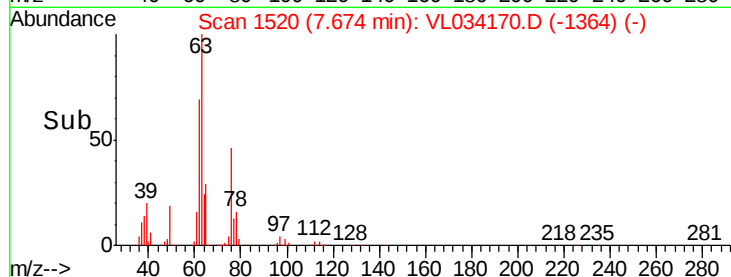
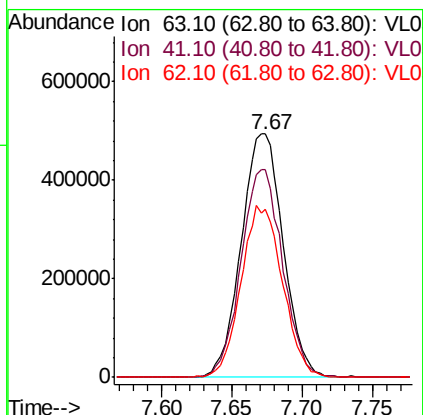
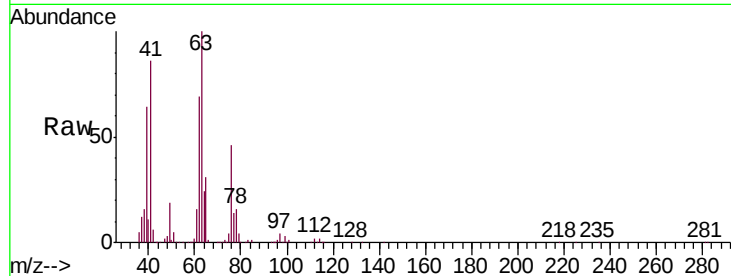


#39
 1,2-Dichloropropane
 Concen: 9.345 ppbv
 RT: 7.67 min Scan# 1520
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 63 Resp: 1027436

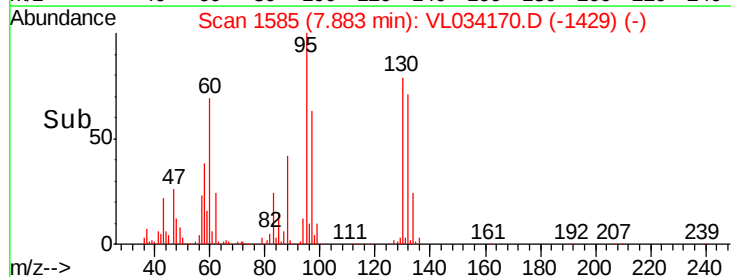
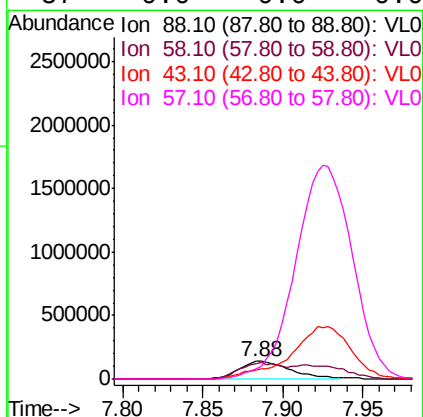
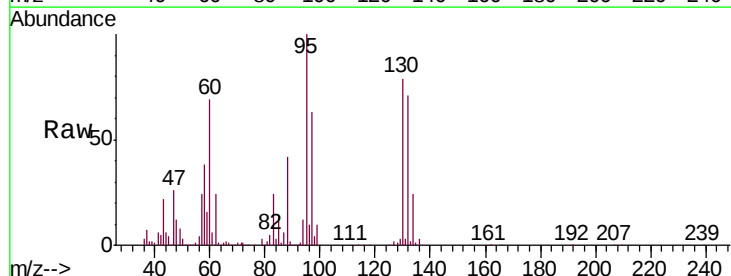
Ion	Ratio	Lower	Upper
63	100		
41	85.5	68.4	102.6
62	69.3	55.4	83.2

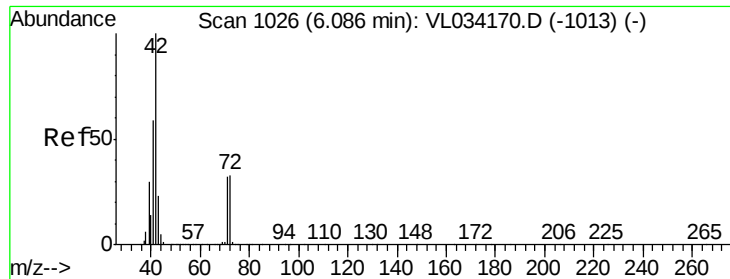


#40
 1,4-Dioxane
 Concen: 7.500 ppbv
 RT: 7.88 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

Tgt Ion: 88 Resp: 298759

Ion	Ratio	Lower	Upper
88	100		
58	164.5	131.8	197.6
43	0.0	0.0	0.0
57	0.0	0.0	0.0

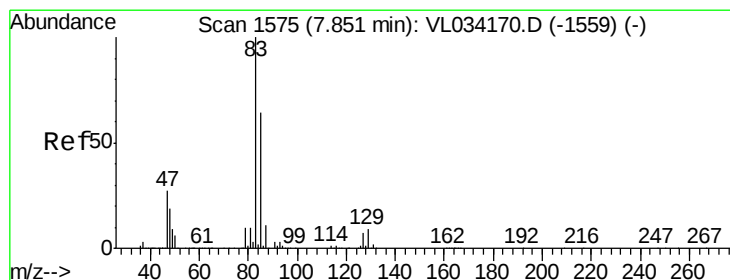
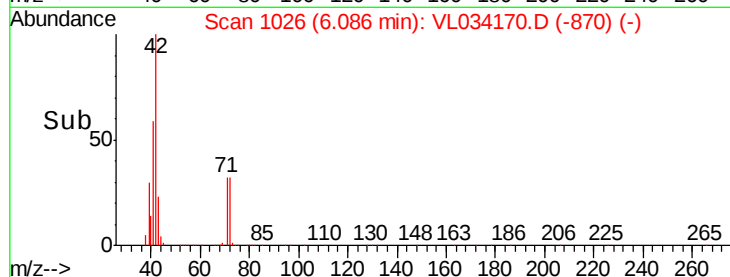
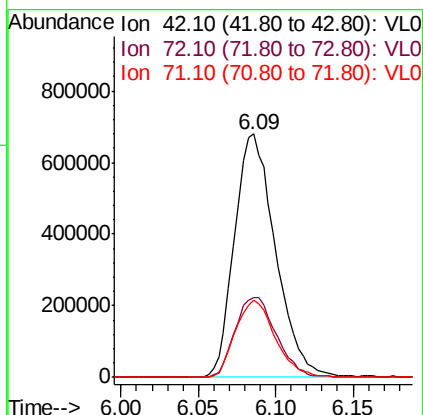
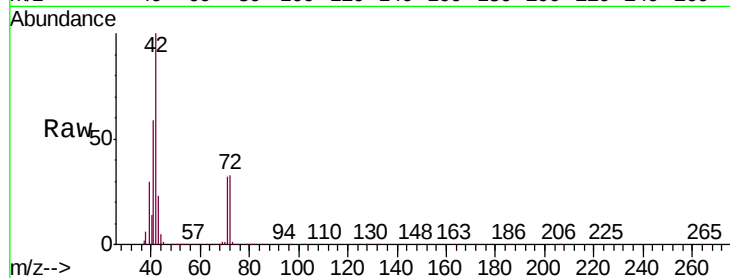




#41
Tetrahydrofuran
Concen: 9.638 ppbv
RT: 6.09 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

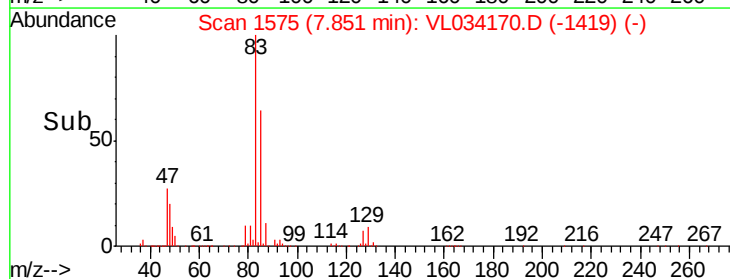
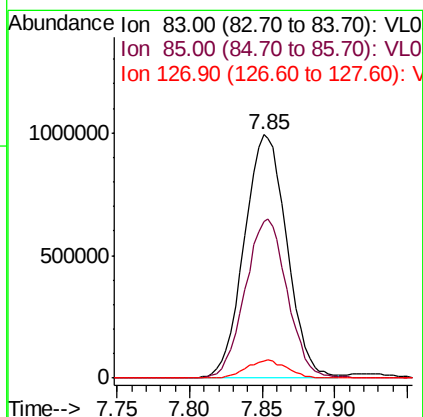
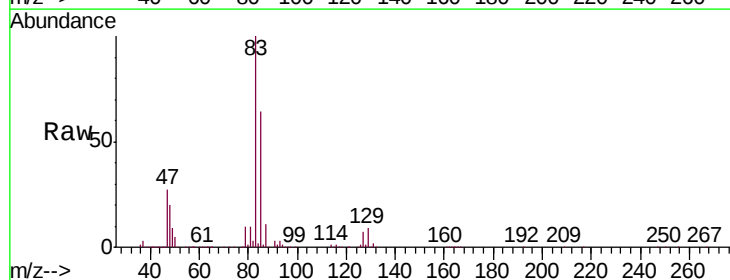
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

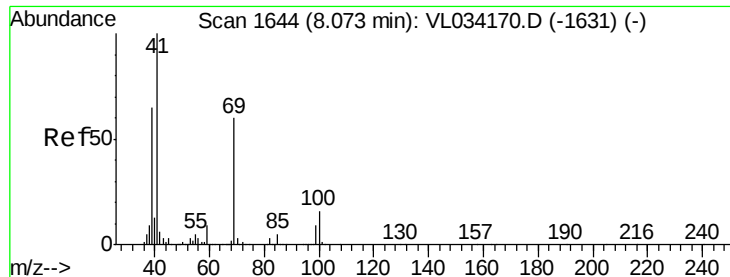
Tgt Ion: 42 Resp: 1250287
Ion Ratio Lower Upper
42 100
72 33.2 26.6 40.0
71 31.4 25.1 37.7



#42
Bromodichloromethane
Concen: 9.842 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

Tgt Ion: 83 Resp: 2030708
Ion Ratio Lower Upper
83 100
85 64.2 51.4 77.0
127 6.9 5.5 8.3

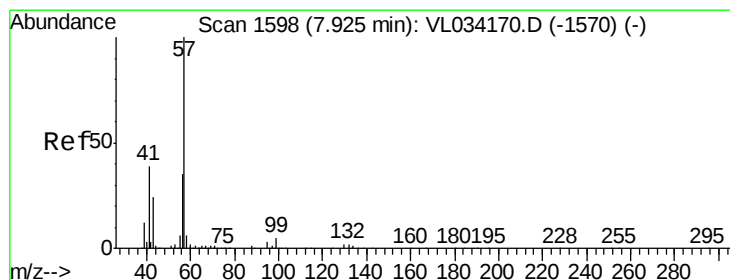
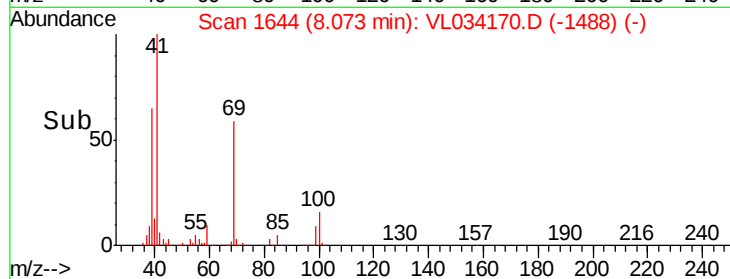
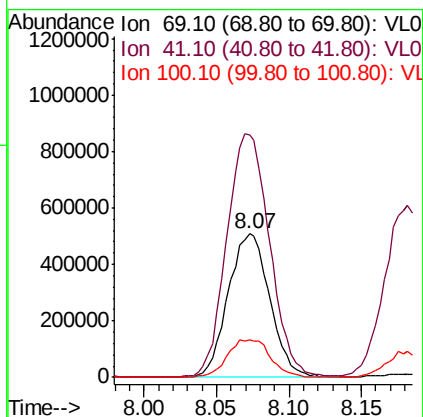
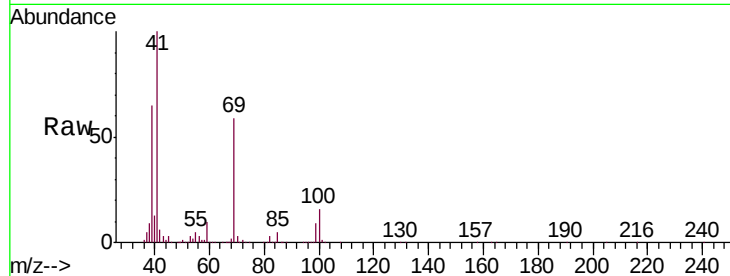




#43
Methyl Methacrylate
Concen: 9.577 ppbv
RT: 8.07 min Scan# 1644
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

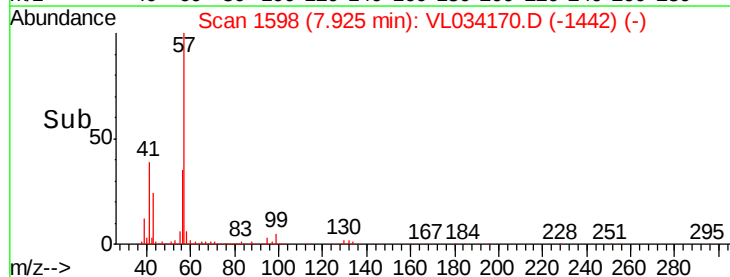
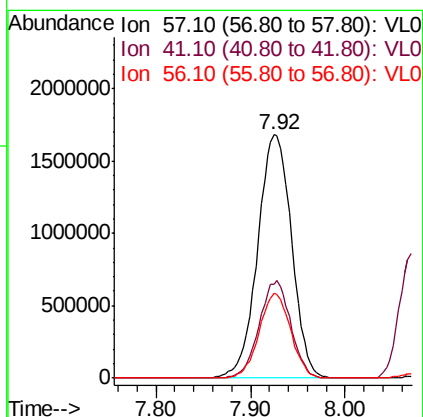
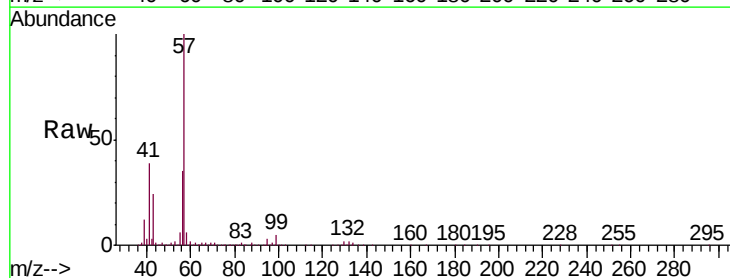
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

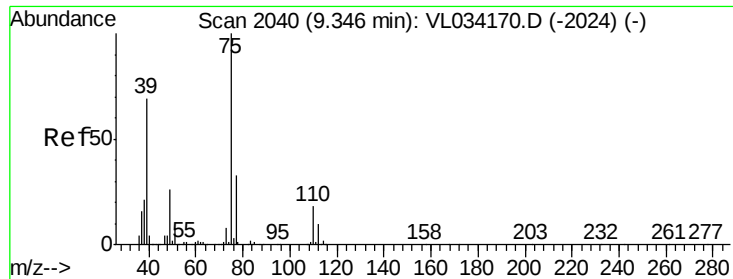
Tgt Ion: 69 Resp: 1006584
Ion Ratio Lower Upper
69 100
41 175.6 140.4 210.6
100 27.3 21.9 32.9



#44
2,2,4-Trimethylpentane
Concen: 8.814 ppbv
RT: 7.92 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

Tgt Ion: 57 Resp: 4180840
Ion Ratio Lower Upper
57 100
41 37.2 29.8 44.6
56 32.4 25.9 38.9

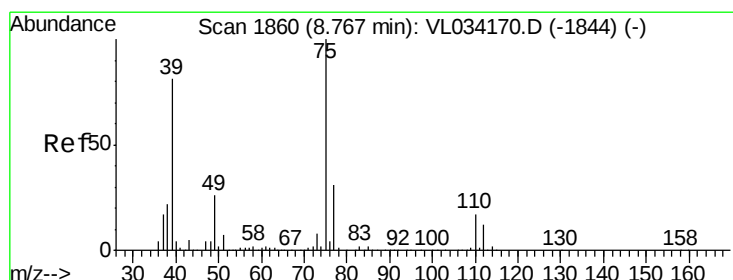
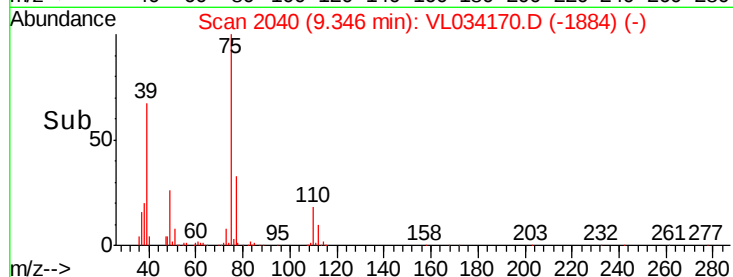
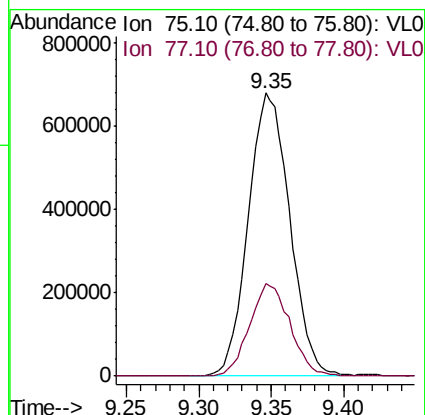
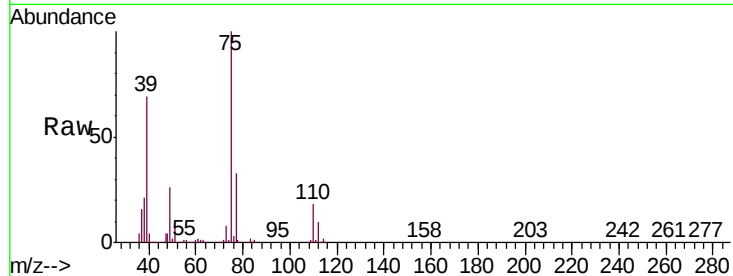




#45
t-1,3-Dichloropropene
Concen: 10.903 ppbv
RT: 9.35 min Scan# 2040
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

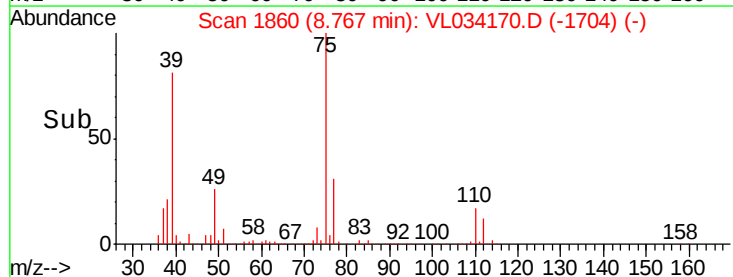
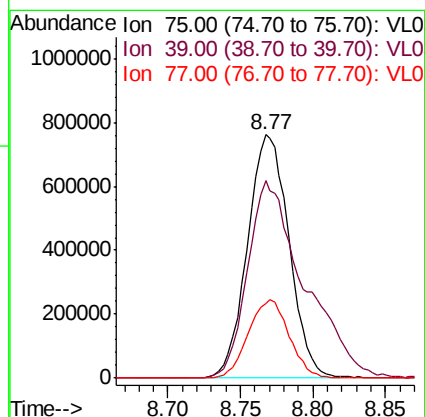
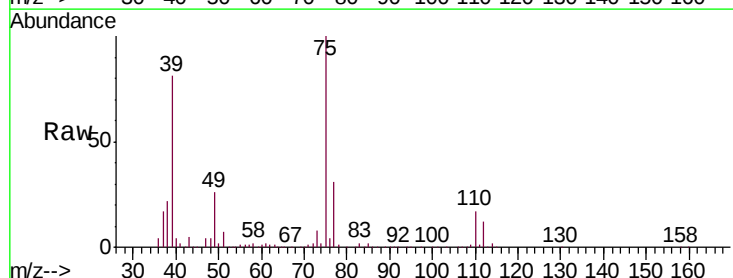
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

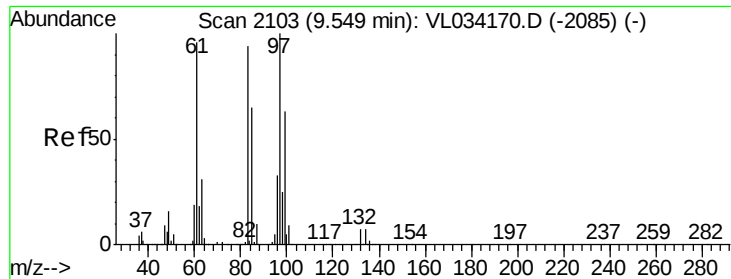
Tgt Ion: 75 Resp: 1354310
Ion Ratio Lower Upper
75 100
77 32.7 26.2 39.2



#46
cis-1,3-Dichloropropene
Concen: 10.043 ppbv
RT: 8.77 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

Tgt Ion: 75 Resp: 1516340
Ion Ratio Lower Upper
75 100
39 81.2 65.0 97.4
77 30.6 24.5 36.7

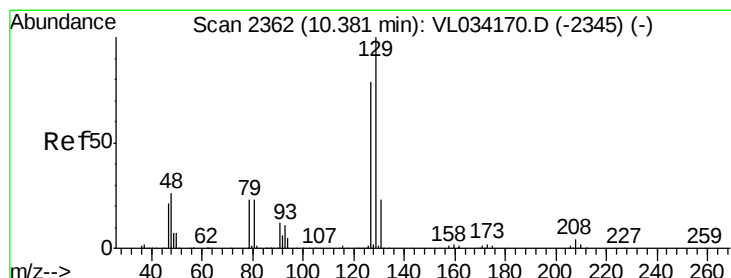
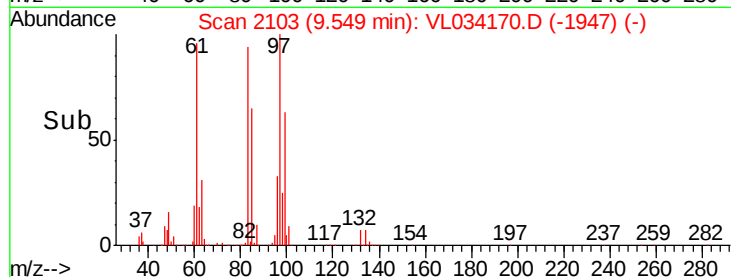
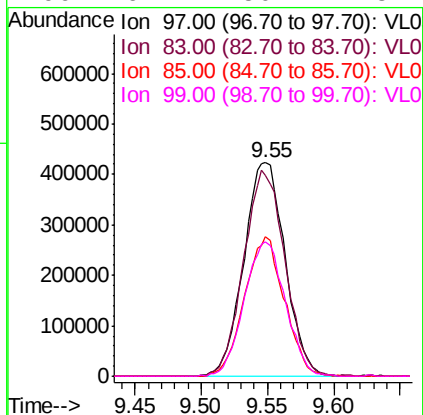
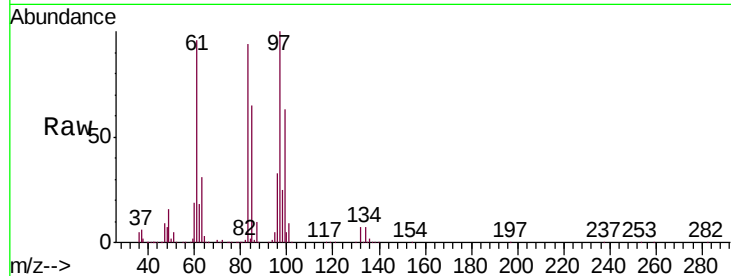




#47
 1,1,2-Trichloroethane
 Concen: 9.195 ppbv
 RT: 9.55 min Scan# 2103
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

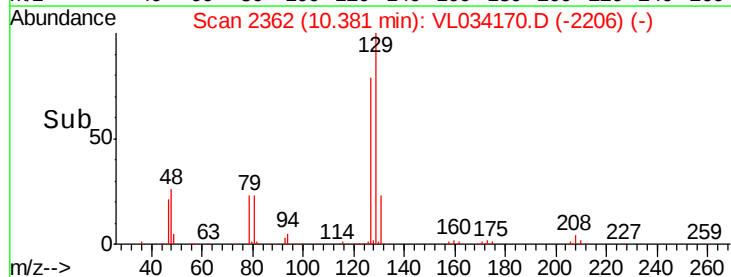
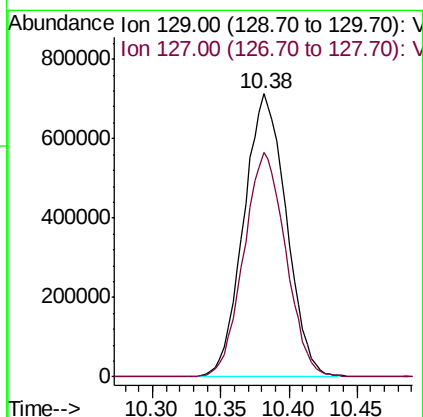
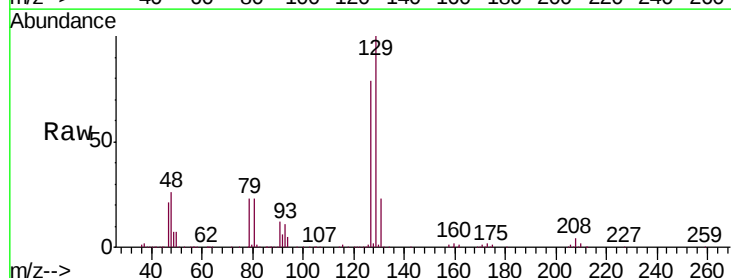
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

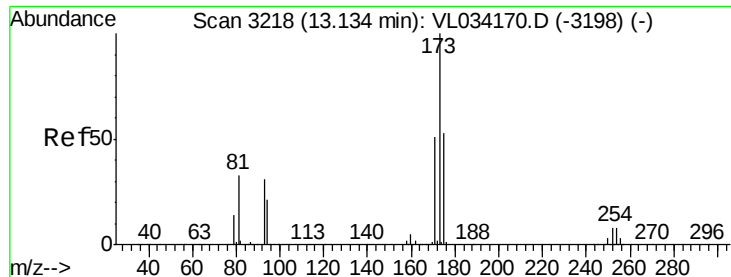
Tgt Ion: 97 Resp: 915511
 Ion Ratio Lower Upper
 97 100
 83 94.1 75.3 112.9
 85 65.1 52.1 78.1
 99 62.7 50.2 75.2



#48
 Dibromochloromethane
 Concen: 10.261 ppbv
 RT: 10.38 min Scan# 2362
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

Tgt Ion: 129 Resp: 1545275
 Ion Ratio Lower Upper
 129 100
 127 78.5 39.2 117.6





#49

Bromoform

Concen: 9.897 ppbv

RT: 13.13 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

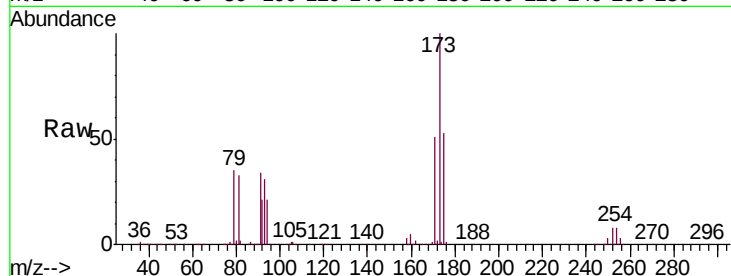
Tgt Ion:173 Resp: 1293852

Ion Ratio Lower Upper

173 100

175 50.4 40.3 60.5

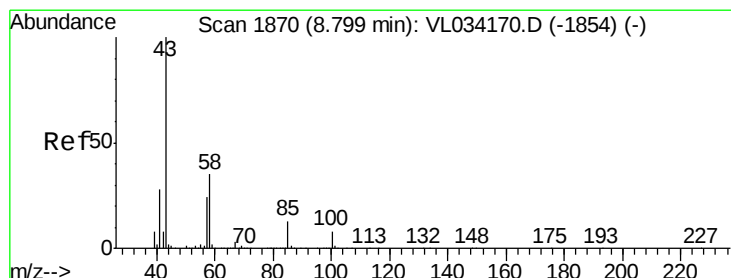
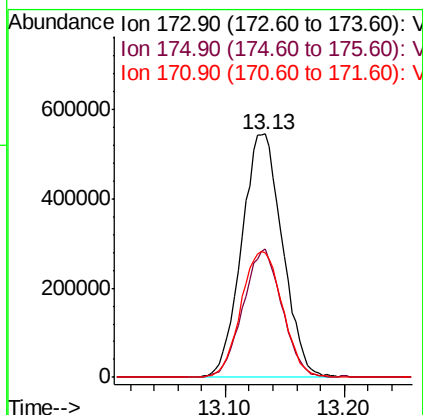
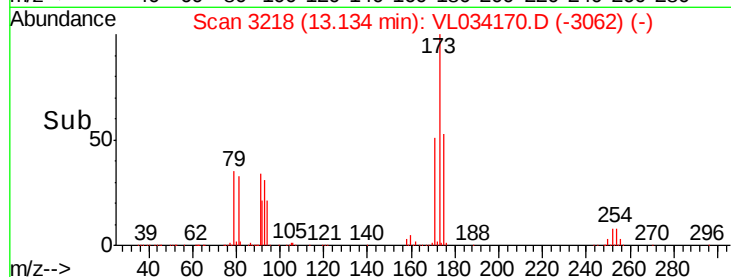
171 52.5 42.0 63.0



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: 9.143 ppbv

RT: 8.80 min Scan# 1870

Delta R.T. 0.00 min

Lab File: VL034170.D

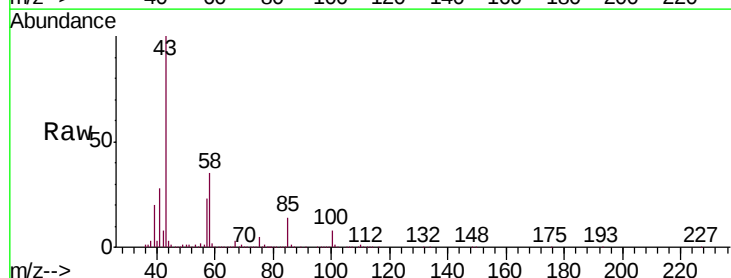
Acq: 17 Sep 2019 4:10

Tgt Ion: 43 Resp: 3031935

Ion Ratio Lower Upper

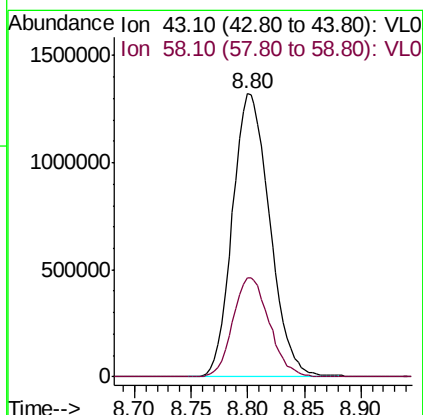
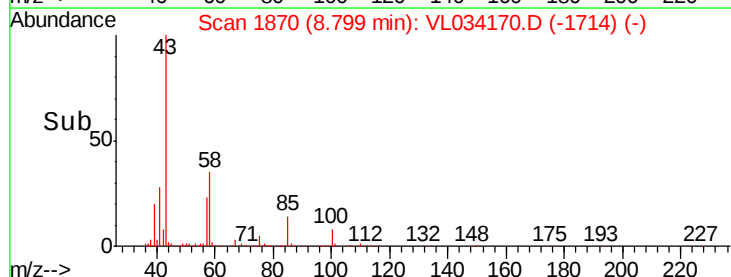
43 100

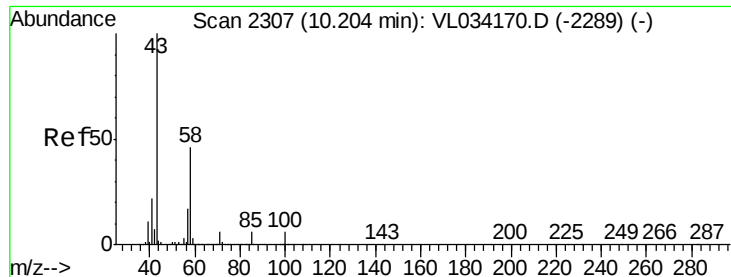
58 34.5 27.6 41.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 9.204 ppbv

RT: 10.20 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

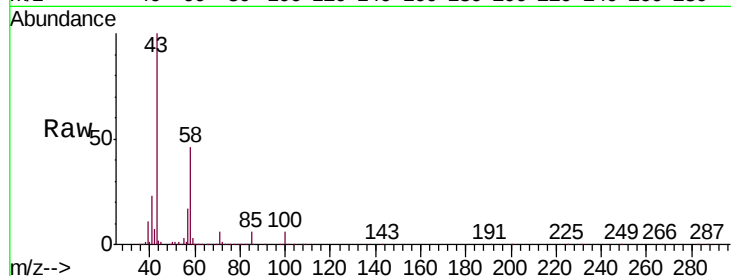
Tgt Ion: 43 Resp: 2632111

Ion Ratio Lower Upper

43 100

58 45.3 36.2 54.4

98 0.1 0.2 0.2#

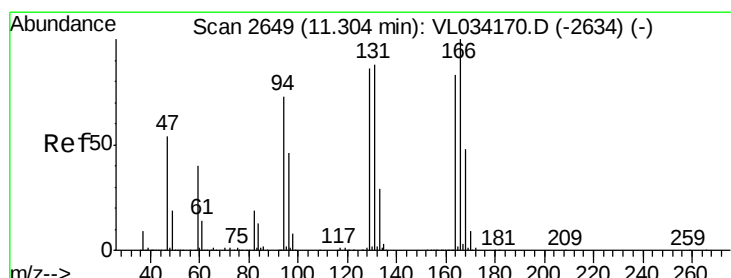
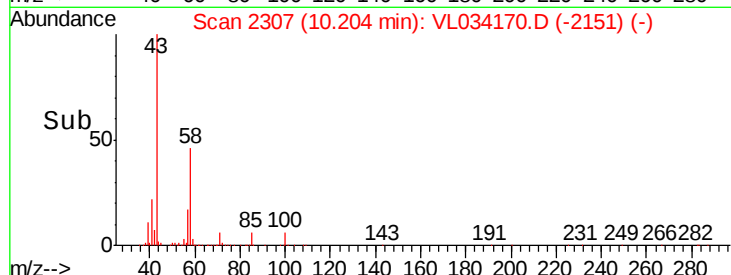
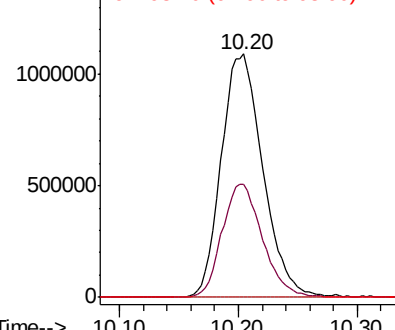


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 7.976 ppbv

RT: 11.30 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Tgt Ion: 164 Resp: 715108

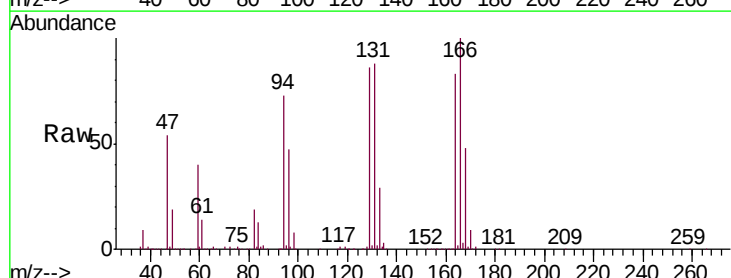
Ion Ratio Lower Upper

164 100

166 120.9 96.7 145.1

129 103.5 82.8 124.2

131 106.3 85.0 127.6



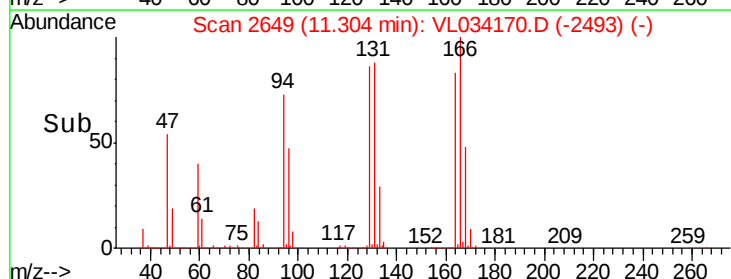
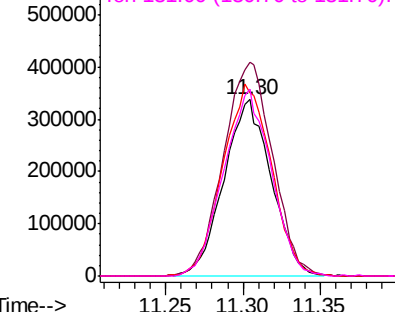
Abundance

Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 9.028 ppbv

RT: 9.88 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Instrument :

MSVOA_L

ClientSampleId :

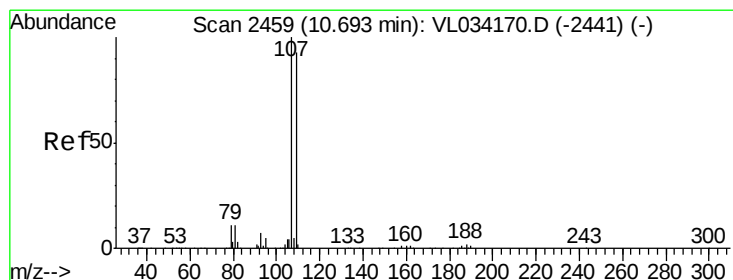
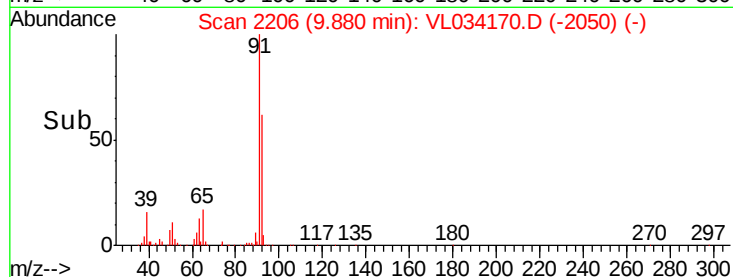
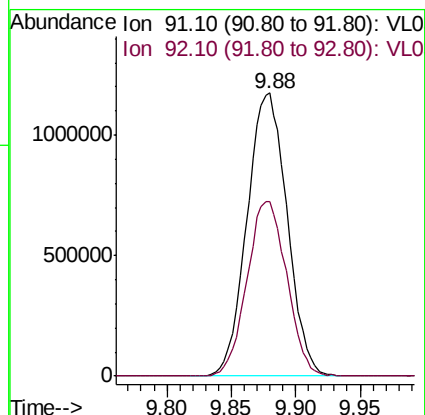
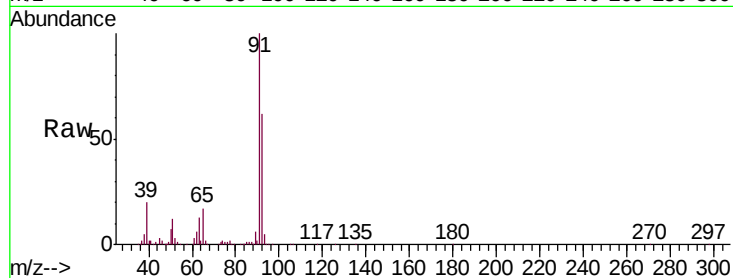
VSTDICCC010

Tgt Ion: 91 Resp: 2543766

Ion Ratio Lower Upper

91 100

92 61.3 49.0 73.6



#54

1,2-Dibromoethane

Concen: 9.315 ppbv

RT: 10.69 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VL034170.D

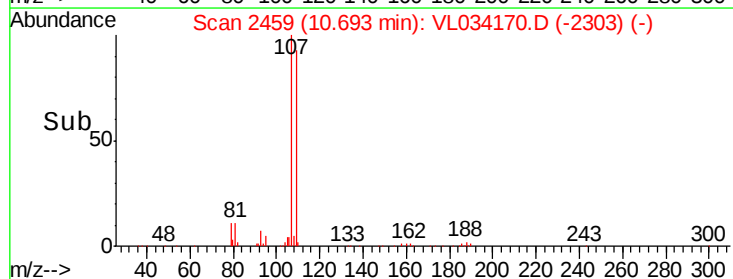
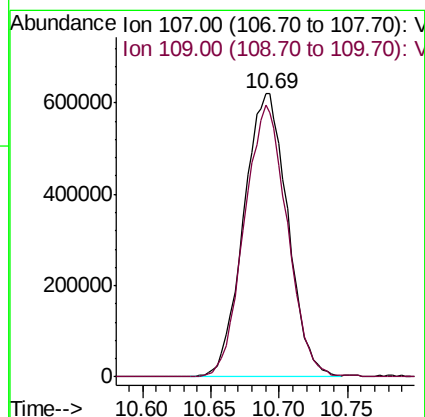
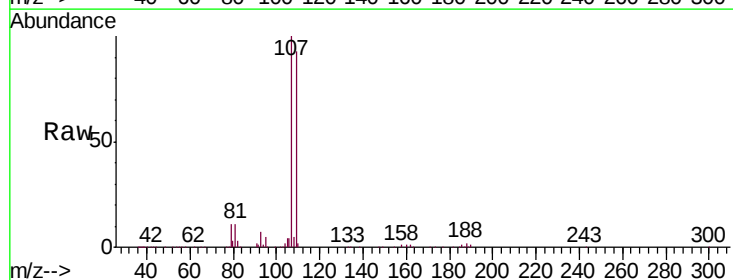
Acq: 17 Sep 2019 4:10

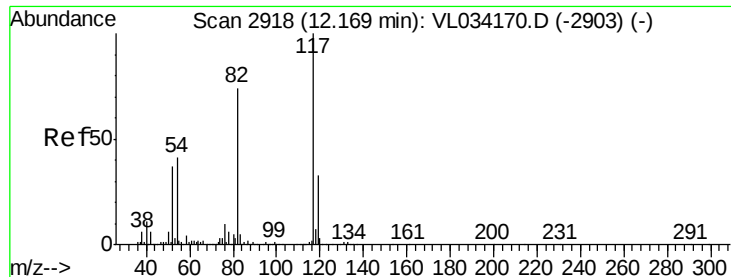
Tgt Ion: 107 Resp: 1386845

Ion Ratio Lower Upper

107 100

109 93.1 74.5 111.7

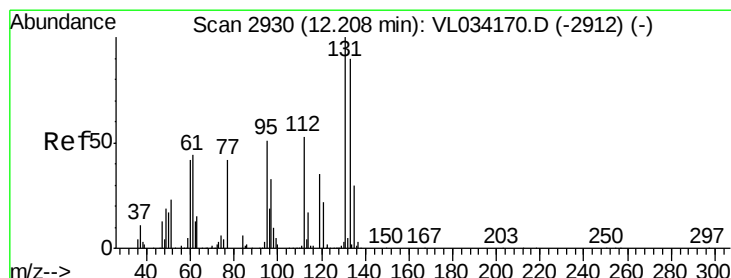
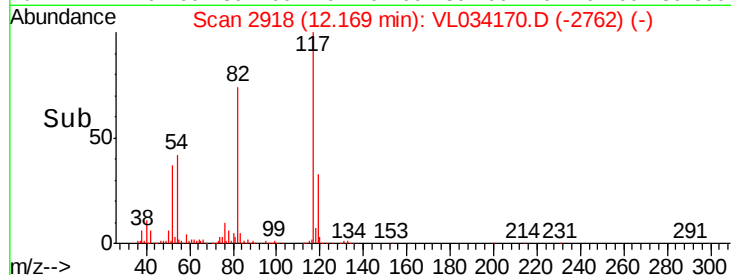
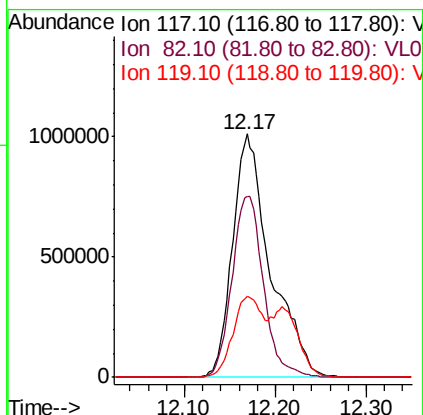
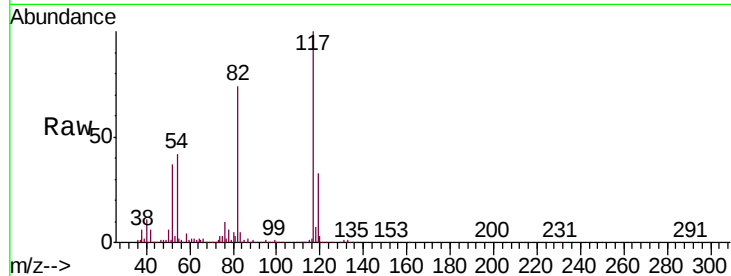




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

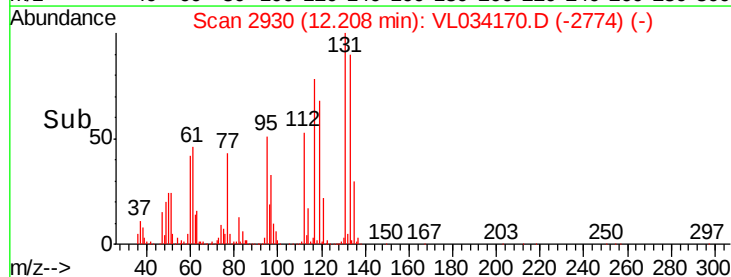
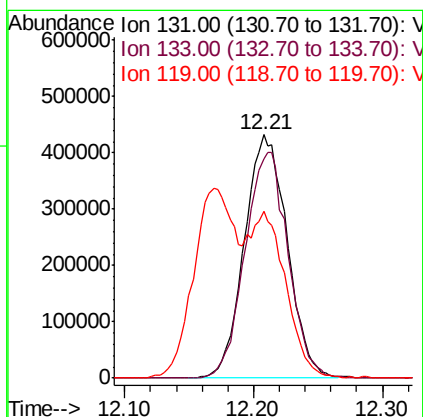
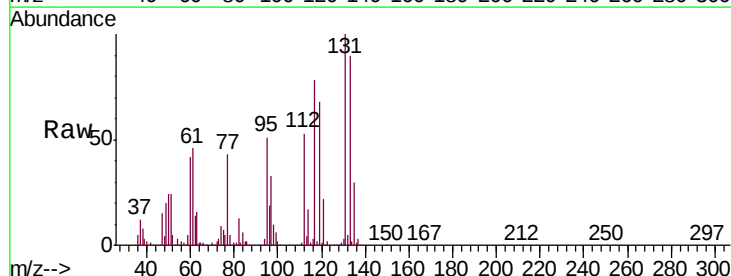
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

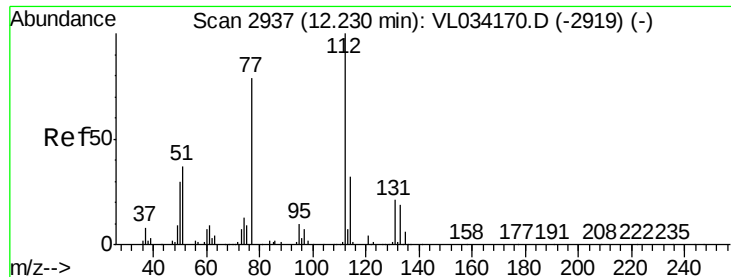
Tgt Ion:117 Resp: 2921439
Ion Ratio Lower Upper
117 100
82 62.2 58.2 87.4
119 26.8 23.7 35.5



#56
1,1,1,2-Tetrachloroethane
Concen: 7.865 ppbv
RT: 12.21 min Scan# 2930
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

Tgt Ion:131 Resp: 996527
Ion Ratio Lower Upper
131 100
133 93.8 75.1 112.7
119 64.1 47.4 71.0

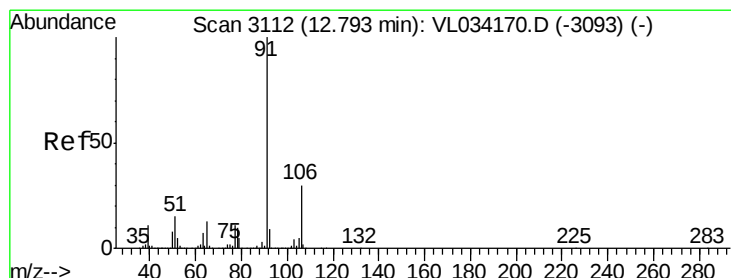
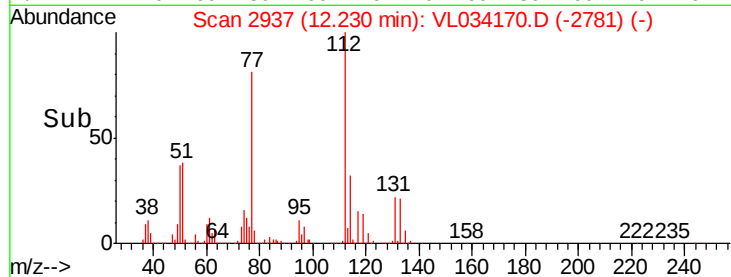
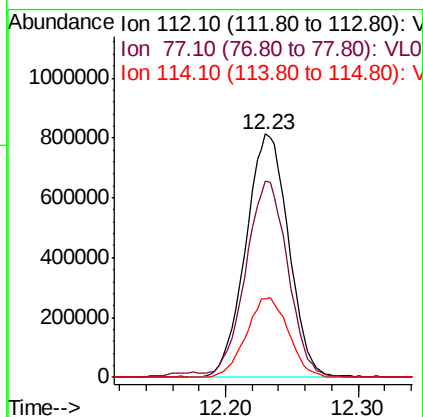
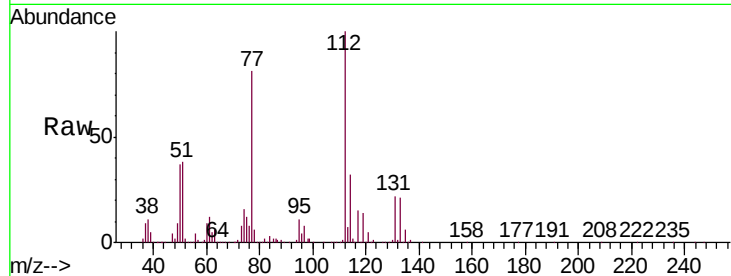




#57
Chlorobenzene
Concen: 7.226 ppbv
RT: 12.23 min Scan# 2937
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

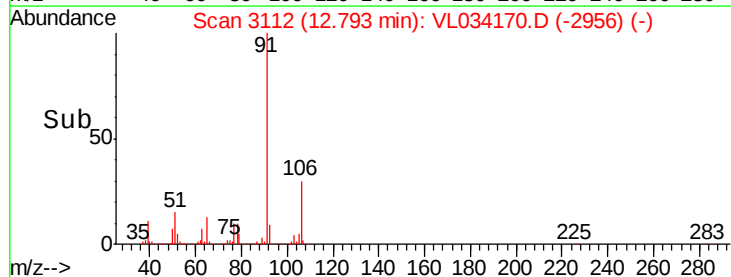
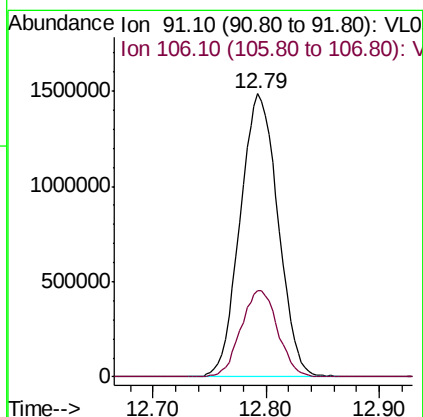
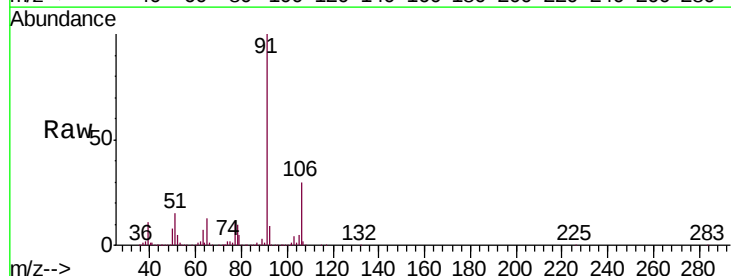
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

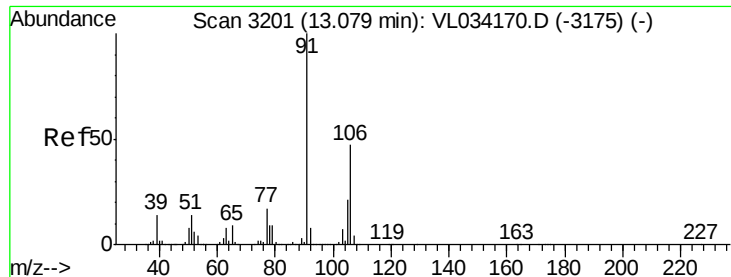
Tgt Ion: 112 Resp: 1822182
Ion Ratio Lower Upper
112 100
77 80.4 64.3 96.5
114 32.1 28.9 35.3



#58
Ethyl Benzene
Concen: 7.203 ppbv
RT: 12.79 min Scan# 3112
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

Tgt Ion: 91 Resp: 3456837
Ion Ratio Lower Upper
91 100
106 30.3 24.2 36.4

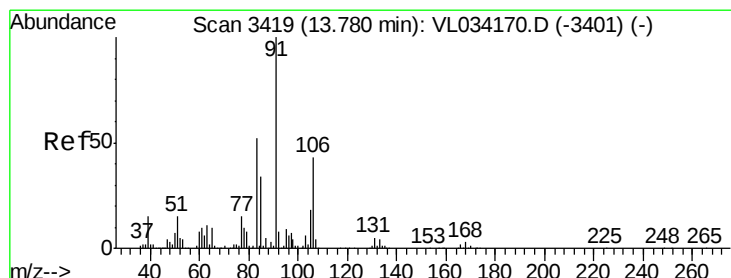
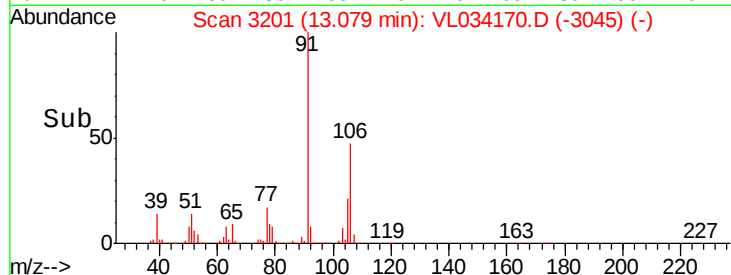
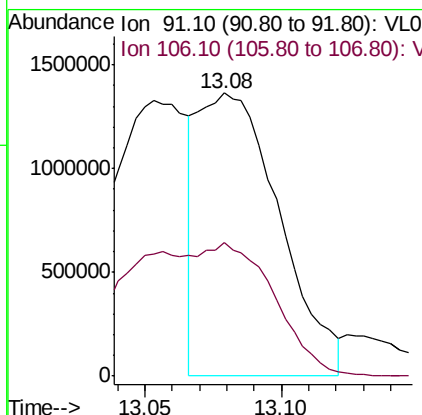
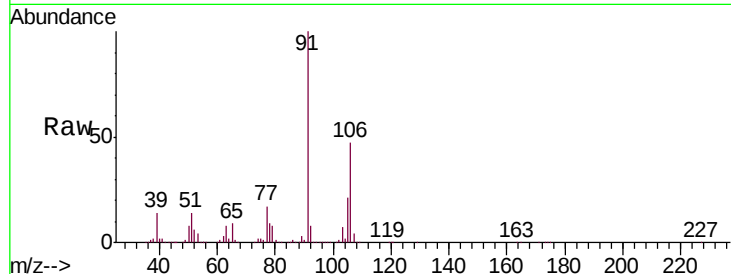




#59
m/p-Xylene
Concen: 7.174 ppbv
RT: 13.08 min Scan# 3201
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

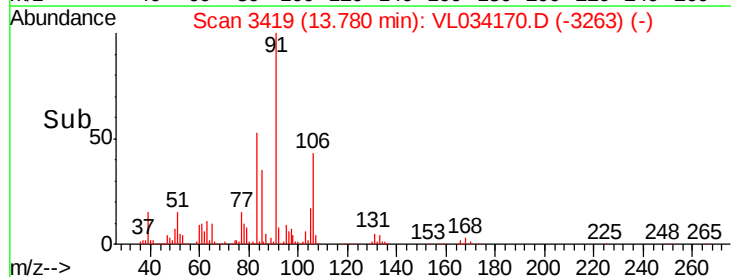
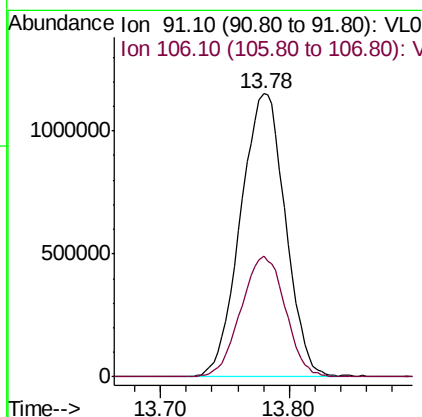
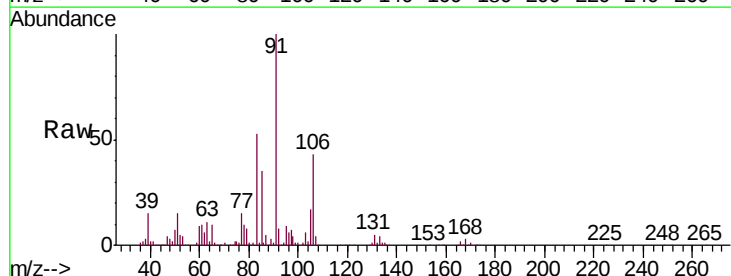
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

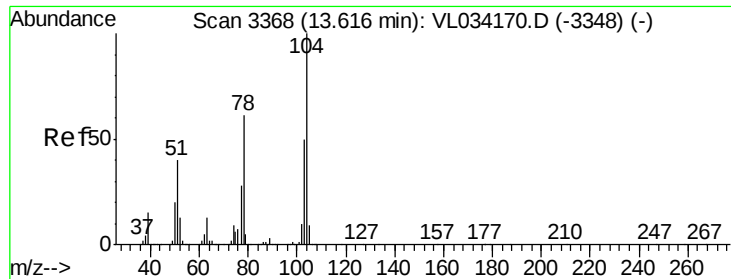
Tgt Ion: 91 Resp: 2808939
Ion Ratio Lower Upper
91 100
106 88.3 35.5 53.3#



#60
o-Xylene
Concen: 7.117 ppbv
RT: 13.78 min Scan# 3419
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

Tgt Ion: 91 Resp: 2779596
Ion Ratio Lower Upper
91 100
106 42.4 21.2 63.6





#61

Styrene

Concen: 7.357 ppbv

RT: 13.62 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

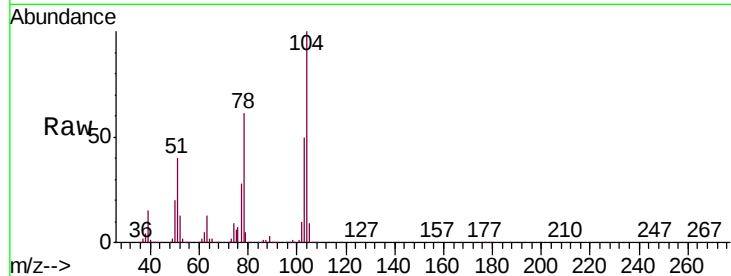
Tgt Ion:104 Resp: 2137208

Ion Ratio Lower Upper

104 100

78 61.9 49.7 74.5

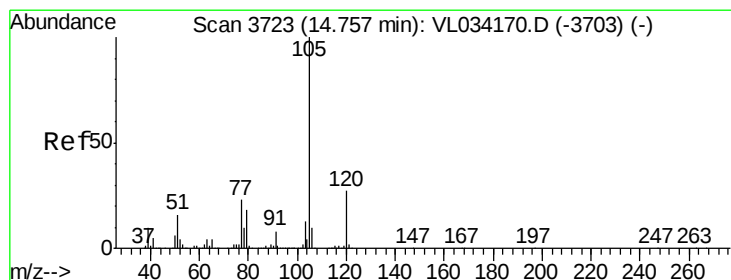
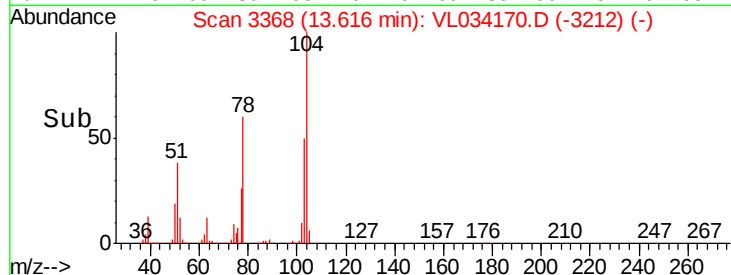
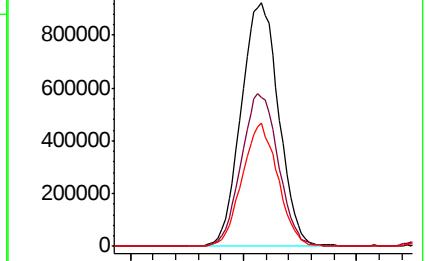
103 48.0 38.4 57.6



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: 7.080 ppbv

RT: 14.76 min Scan# 3723

Delta R.T. 0.00 min

Lab File: VL034170.D

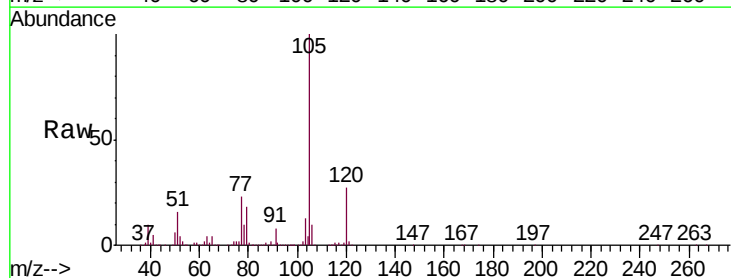
Acq: 17 Sep 2019 4:10

Tgt Ion:105 Resp: 3598117

Ion Ratio Lower Upper

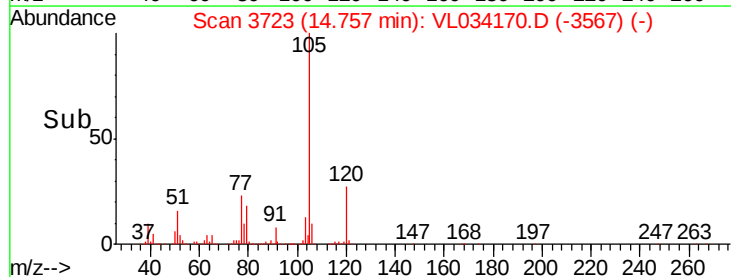
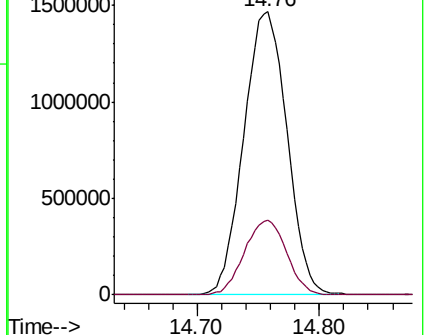
105 100

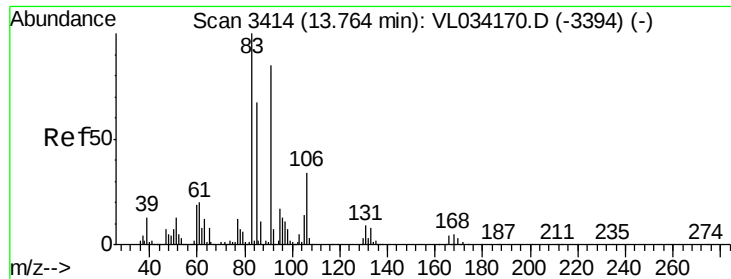
120 25.9 20.7 31.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

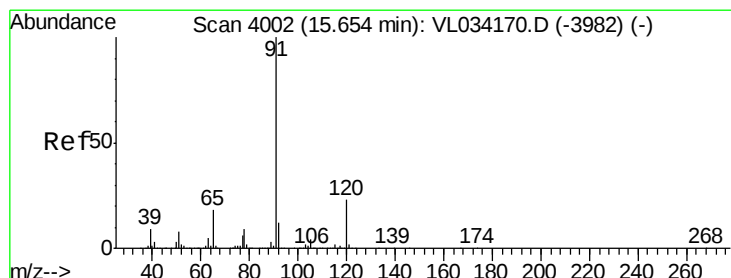
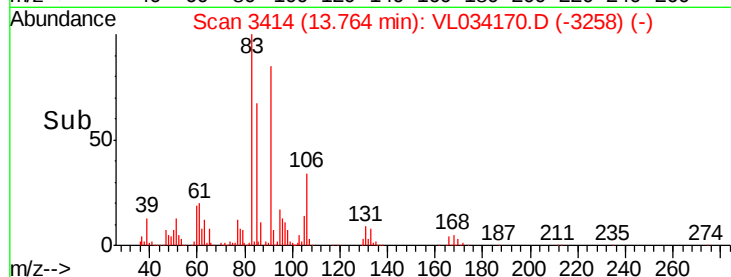
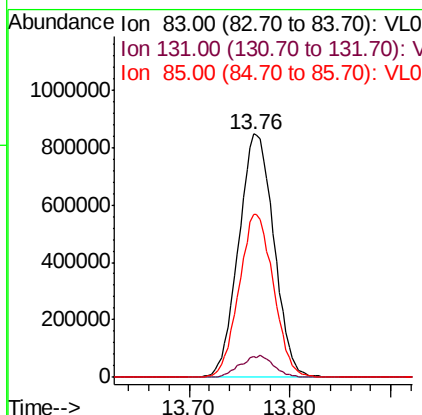
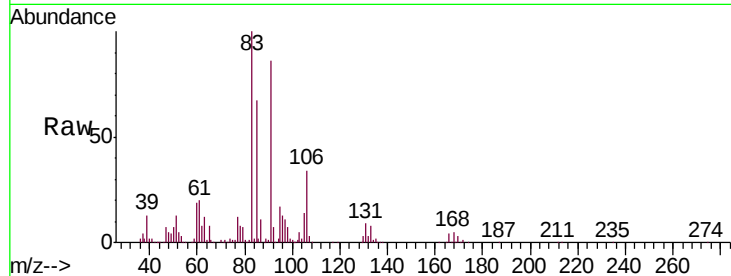




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.436 ppbv
 RT: 13.76 min Scan# 3414
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

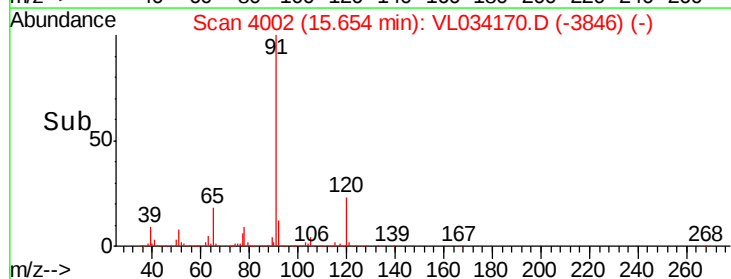
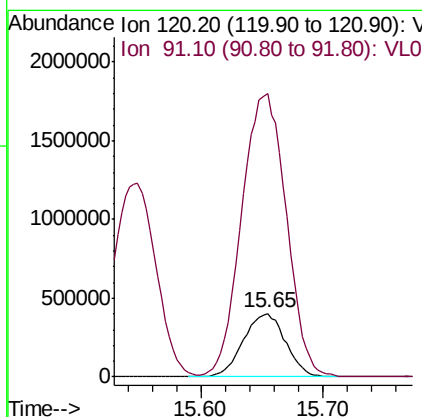
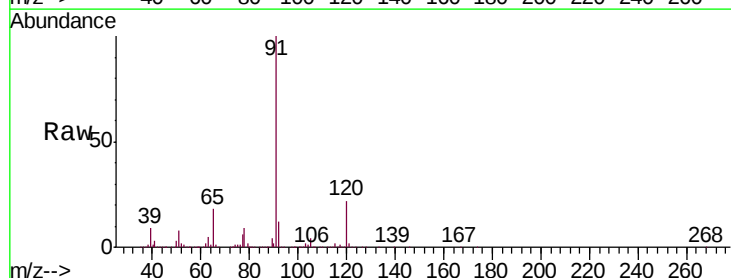
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

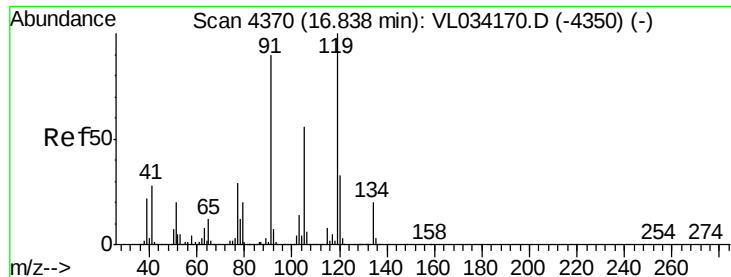
Tgt Ion: 83 Resp: 2052112
 Ion Ratio Lower Upper
 83 100
 131 8.5 4.3 12.8
 85 65.6 32.8 98.4



#64
 n-propylbenzene
 Concen: 7.537 ppbv
 RT: 15.65 min Scan# 4002
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

Tgt Ion: 120 Resp: 960702
 Ion Ratio Lower Upper
 120 100
 91 472.7 378.2 567.2

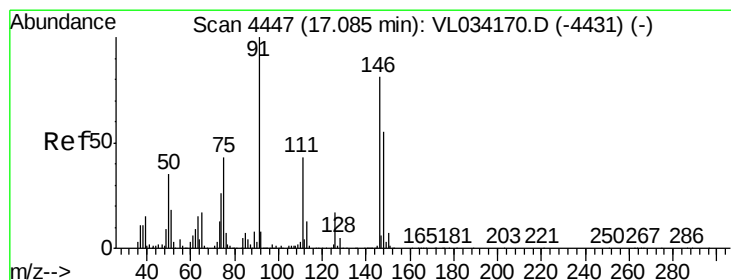
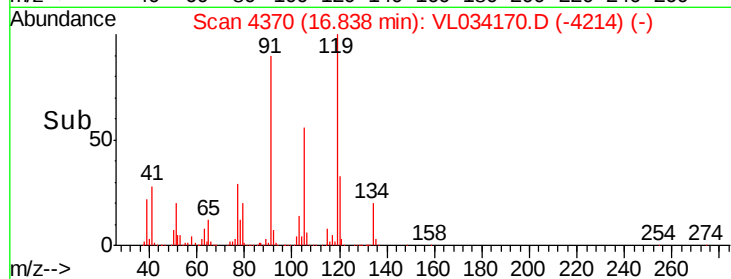
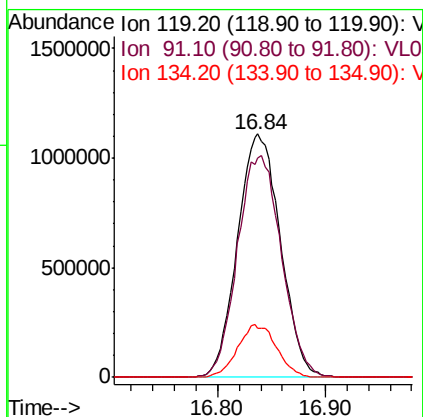
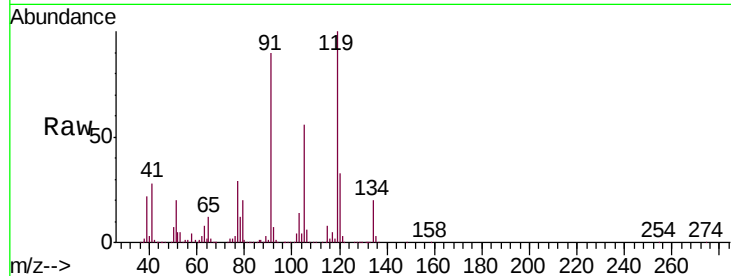




#65
tert-Butylbenzene
Concen: 6.980 ppbv
RT: 16.84 min Scan# 4370
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

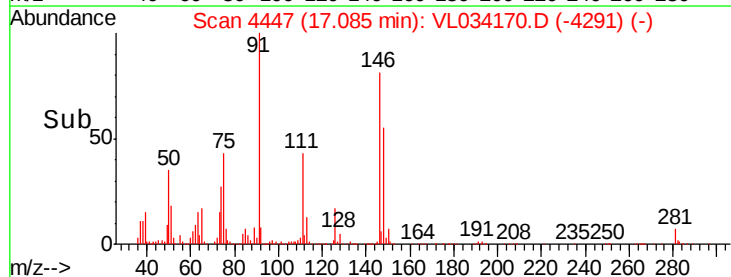
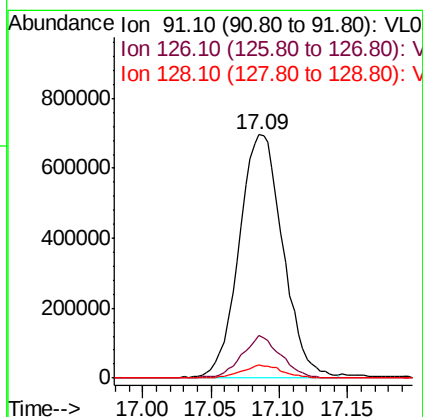
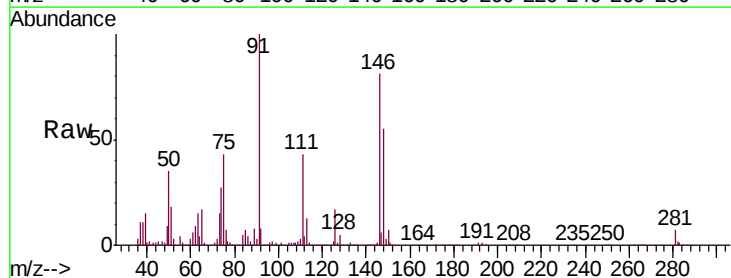
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

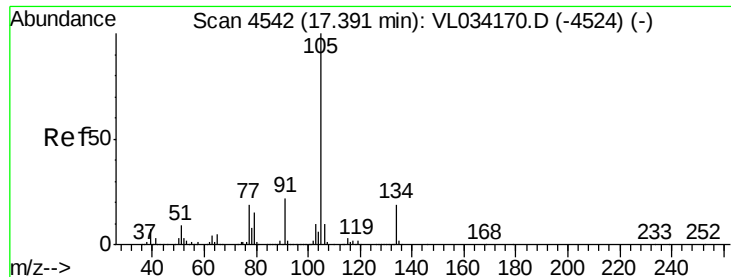
Tgt Ion: 119 Resp: 3068701
Ion Ratio Lower Upper
119 100
91 93.6 74.9 112.3
134 19.7 15.8 23.6



#66
Benzyl Chloride
Concen: 9.671 ppbv
RT: 17.09 min Scan# 4447
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

Tgt Ion: 91 Resp: 1537502
Ion Ratio Lower Upper
91 100
126 15.8 12.6 19.0
128 5.0 4.0 6.0

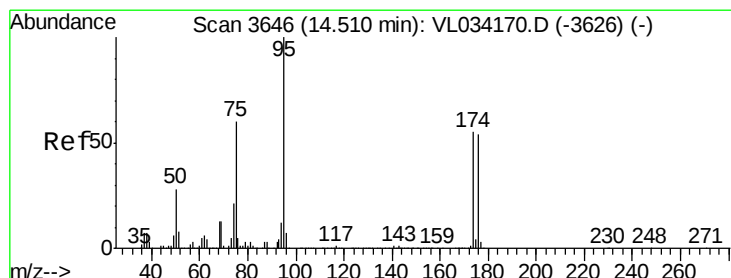
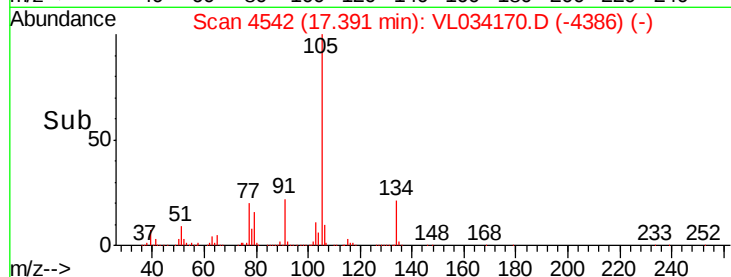
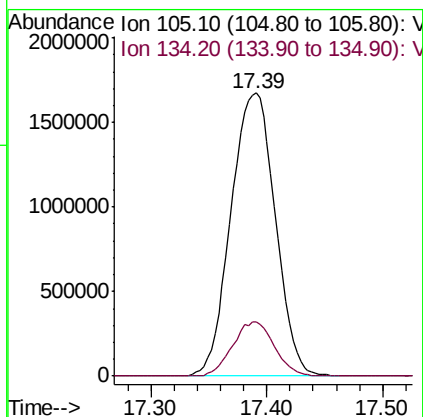
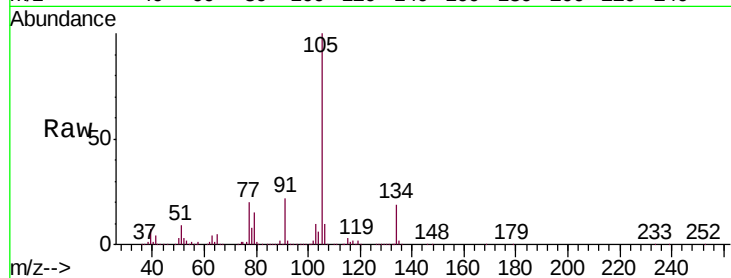




#67
 sec-Butylbenzene
 Concen: 6.984 ppbv
 RT: 17.39 min Scan# 4542
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

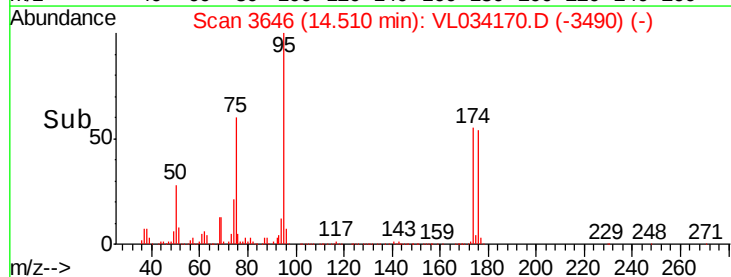
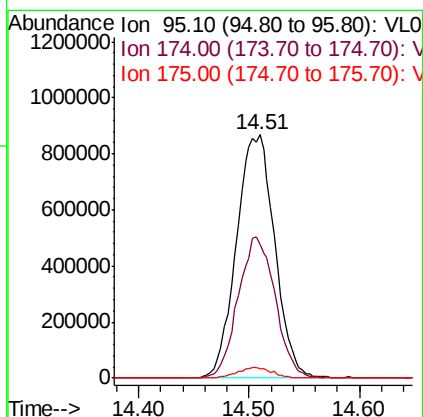
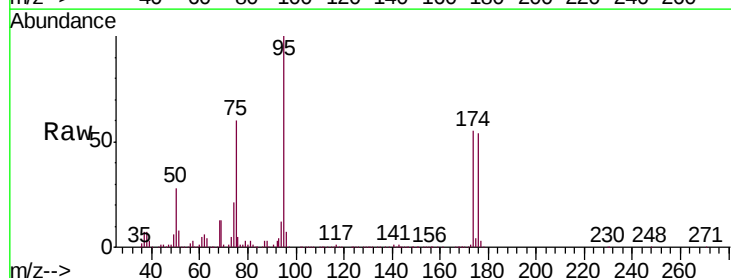
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

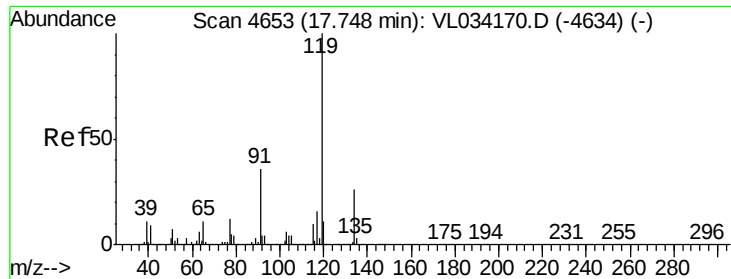
Tgt Ion: 105 Resp: 4421866
 Ion Ratio Lower Upper
 105 100
 134 18.3 14.6 22.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.654 ppbv
 RT: 14.51 min Scan# 3646
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

Tgt Ion: 95 Resp: 2084960
 Ion Ratio Lower Upper
 95 100
 174 56.3 45.1 67.7
 175 4.1 3.3 4.9

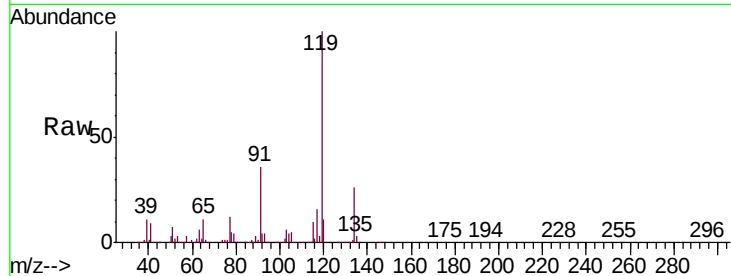




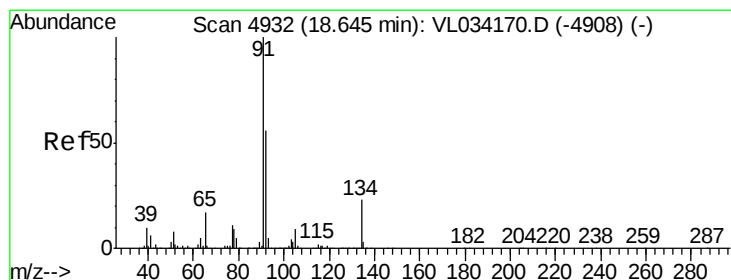
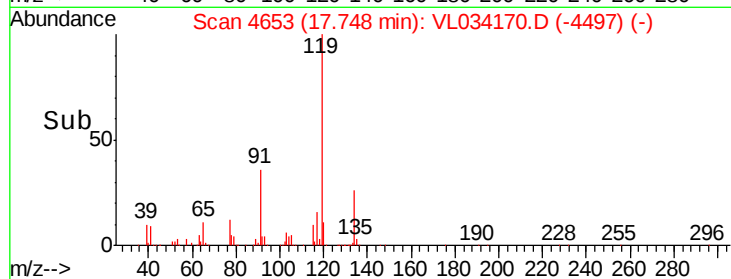
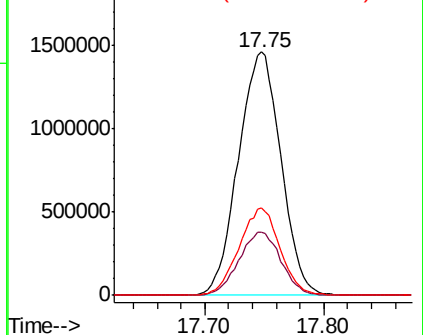
#69
 p-Isopropyltoluene
 Concen: 7.117 ppbv
 RT: 17.75 min Scan# 4653
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 119 Resp: 3606923
 Ion Ratio Lower Upper
 119 100
 134 25.7 20.6 30.8
 91 34.3 27.6 41.4

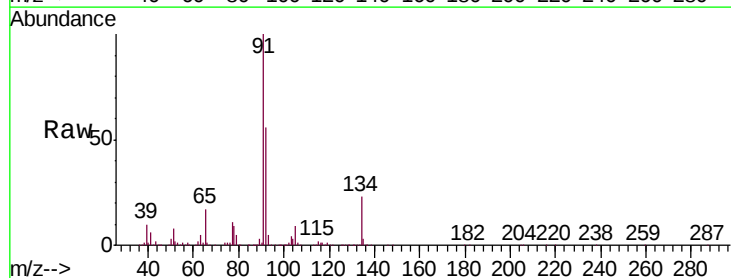


Abundance Ion 119.10 (118.80 to 119.80): V
 2000000 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

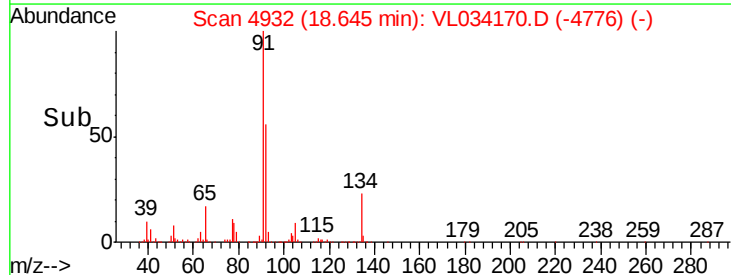
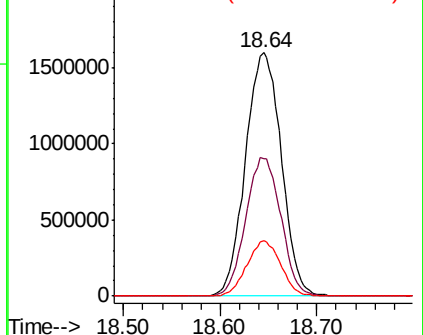


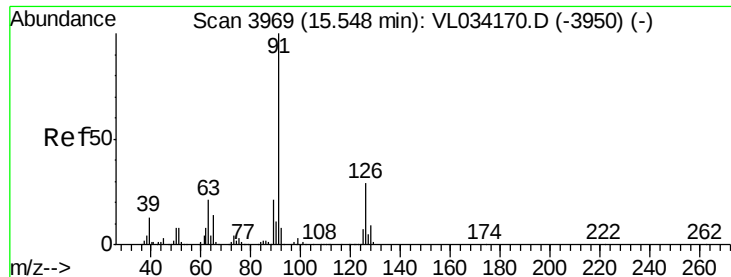
#70
 n-Butylbenzene
 Concen: 7.109 ppbv
 RT: 18.64 min Scan# 4932
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

Tgt Ion: 91 Resp: 4116655
 Ion Ratio Lower Upper
 91 100
 92 56.0 44.8 67.2
 134 21.6 17.3 25.9



Abundance Ion 91.10 (90.80 to 91.80): VL0
 2000000 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V

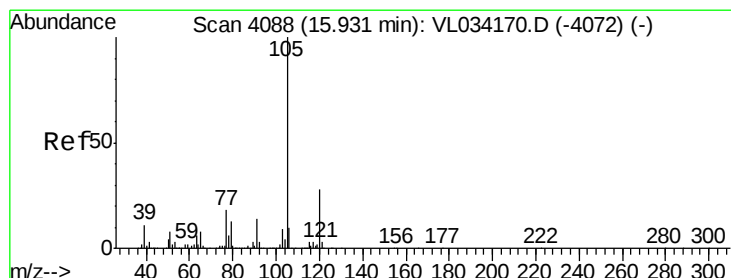
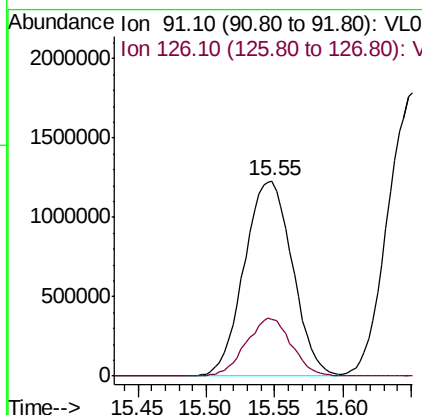
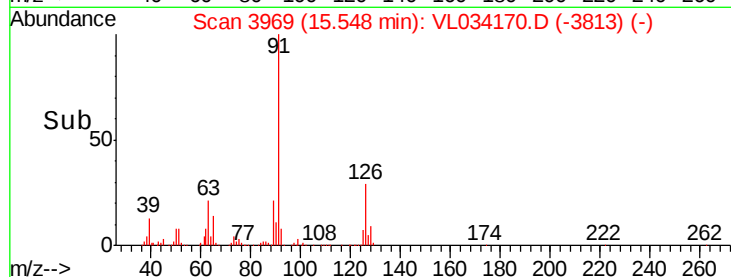
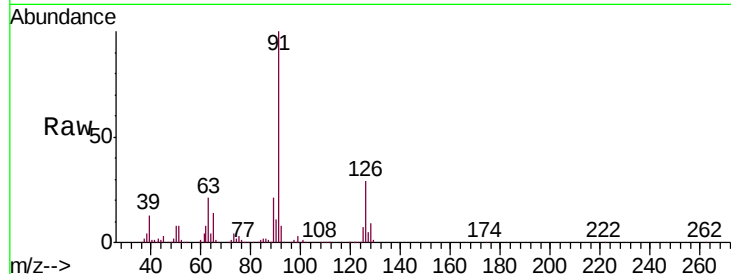




#71
 2-Chlorotoluene
 Concen: 7.237 ppbv
 RT: 15.55 min Scan# 3969
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

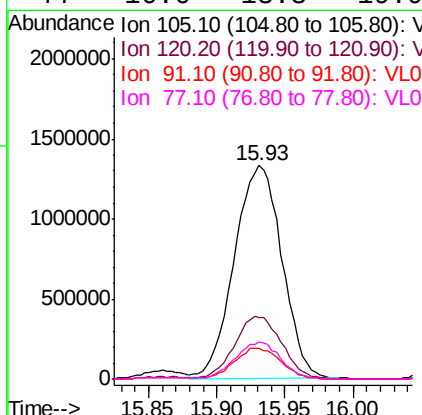
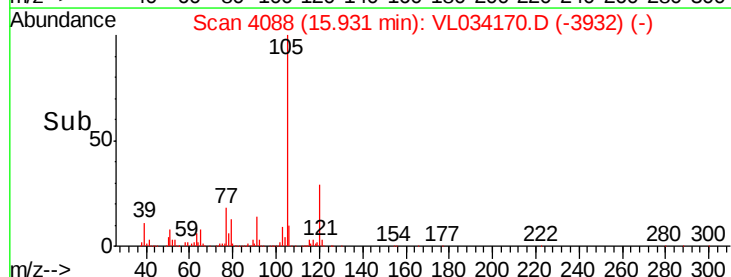
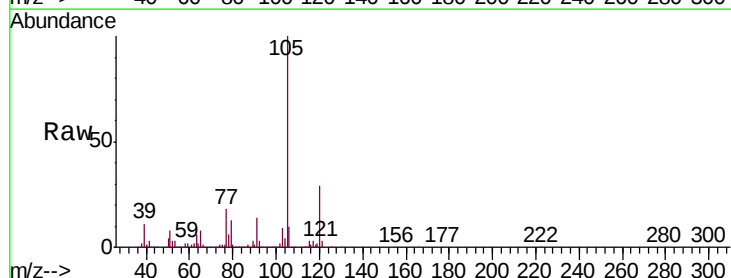
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

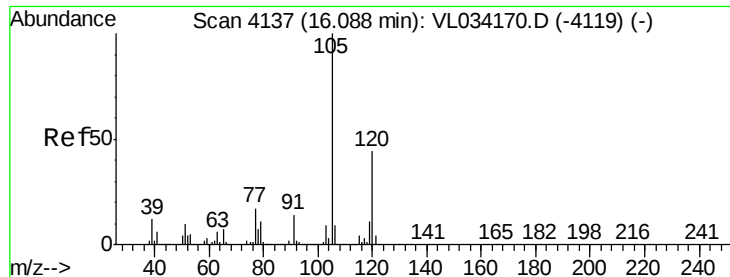
Tgt Ion: 91 Resp: 3005670
 Ion Ratio Lower Upper
 91 100
 126 28.2 11.2 45.0



#72
 4-Ethyltoluene
 Concen: 7.329 ppbv
 RT: 15.93 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

Tgt Ion: 105 Resp: 3234007
 Ion Ratio Lower Upper
 105 100
 120 29.0 23.3 34.9
 91 14.2 11.4 17.2
 77 16.6 13.3 19.9

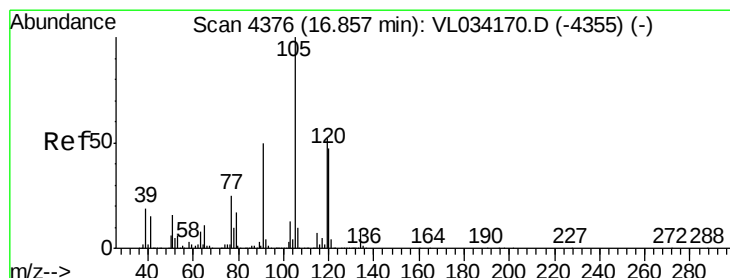
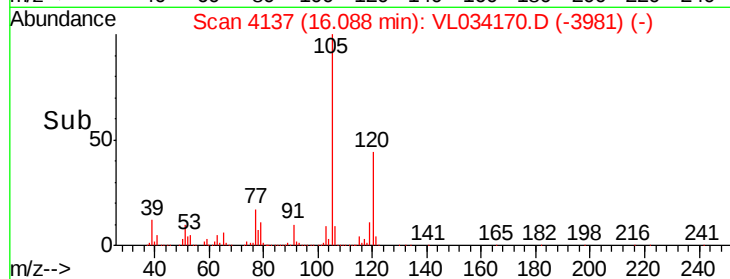
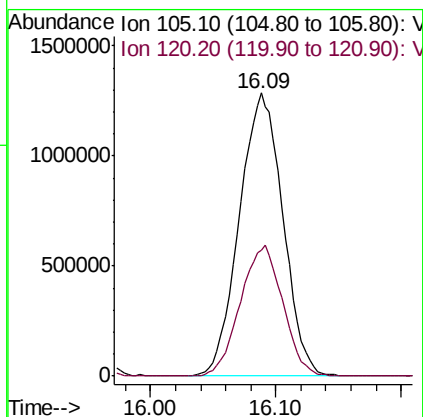
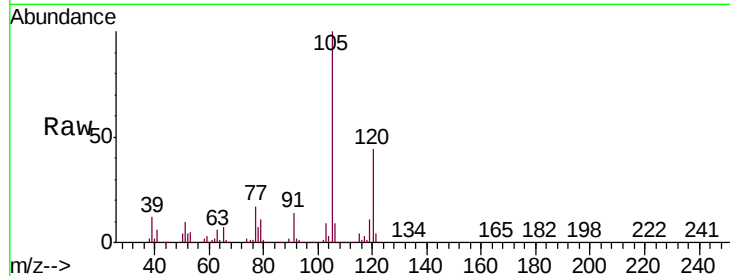




#73
 1,3,5-Trimethylbenzene
 Concen: 7.172 ppbv
 RT: 16.09 min Scan# 4137
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

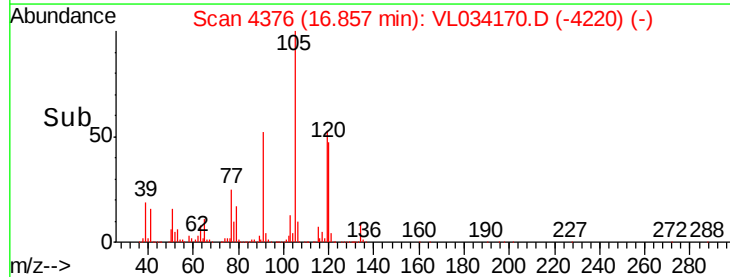
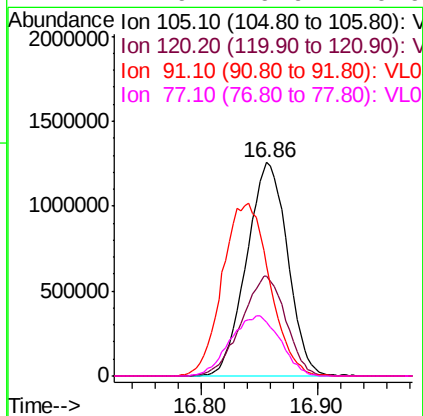
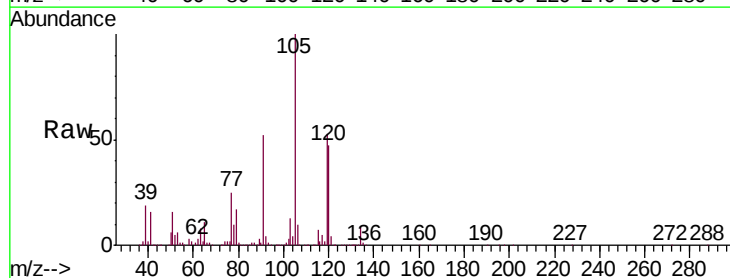
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

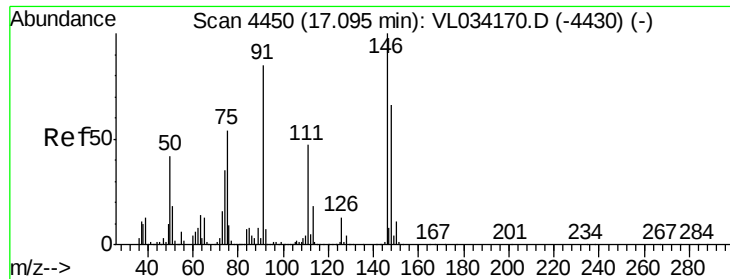
Tgt Ion:105 Resp: 3075349
 Ion Ratio Lower Upper
 105 100
 120 44.5 35.6 53.4



#74
 1,2,4-Trimethylbenzene
 Concen: 6.970 ppbv
 RT: 16.86 min Scan# 4376
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

Tgt Ion:105 Resp: 3088159
 Ion Ratio Lower Upper
 105 100
 120 46.9 37.5 56.3
 91 51.4 41.1 61.7
 77 24.9 19.9 29.9





#75

1,3-Dichlorobenzene

Concen: 7.175 ppbv

RT: 17.09 min Scan# 4450

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

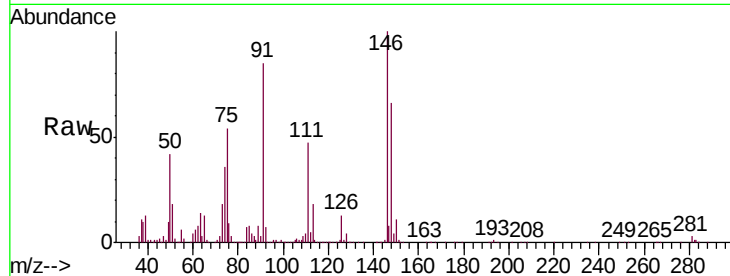
Tgt Ion:146 Resp: 1684845

Ion Ratio Lower Upper

146 100

111 51.9 25.9 77.8

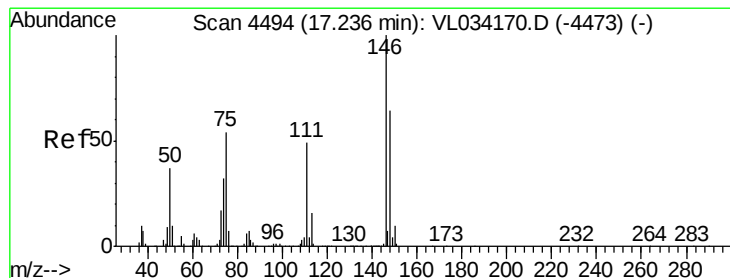
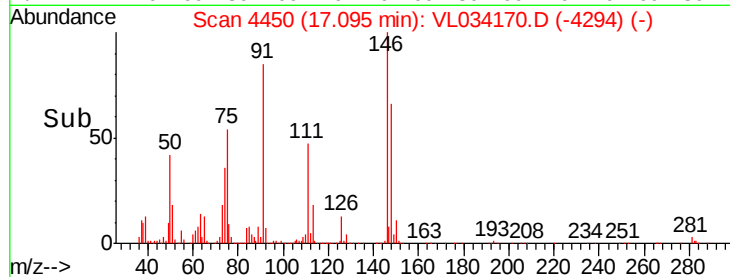
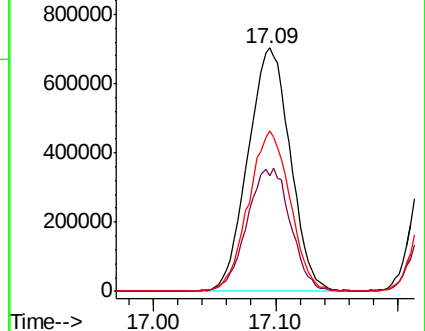
148 65.0 32.6 97.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.111 ppbv

RT: 17.24 min Scan# 4494

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

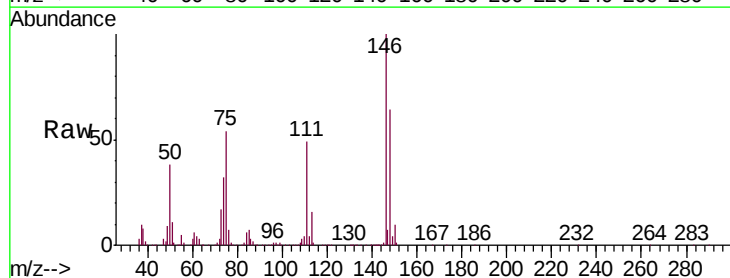
Tgt Ion:146 Resp: 1746042

Ion Ratio Lower Upper

146 100

111 49.7 24.6 74.0

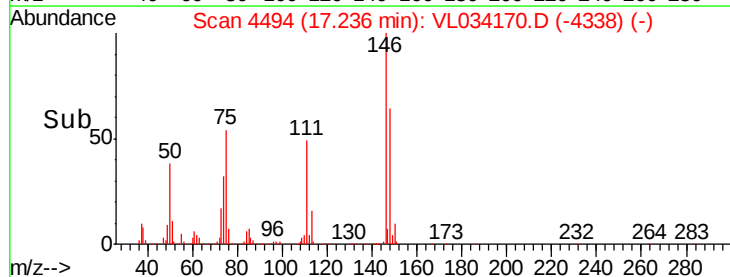
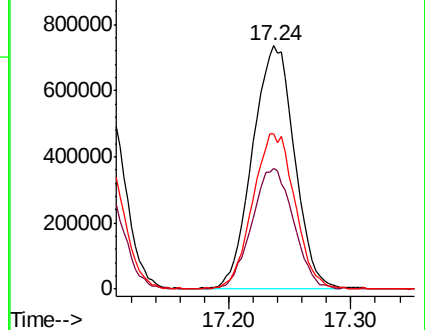
148 64.6 32.4 97.0

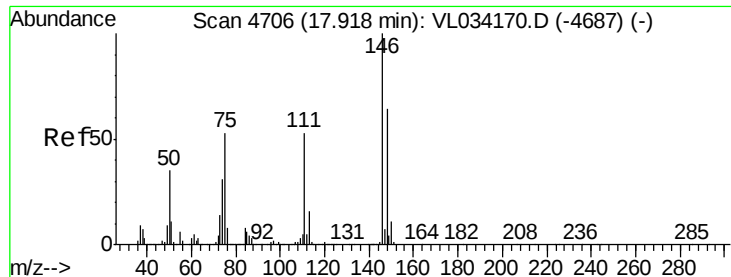


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.122 ppbv

RT: 17.92 min Scan# 4706

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

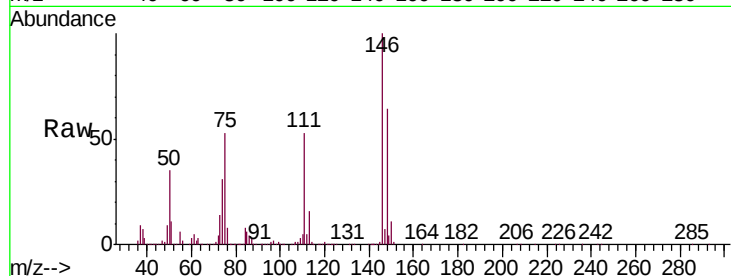
Tgt Ion:146 Resp: 1709744

Ion Ratio Lower Upper

146 100

111 52.2 26.1 78.3

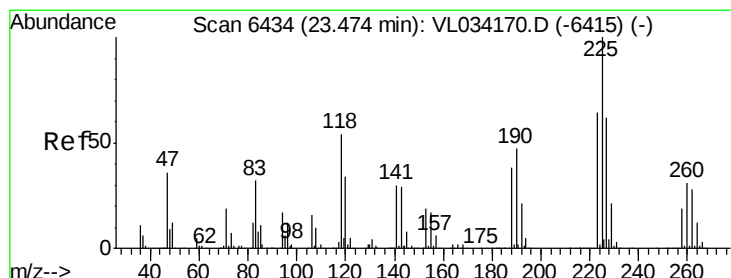
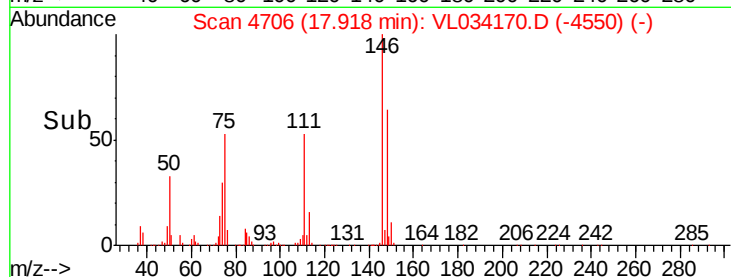
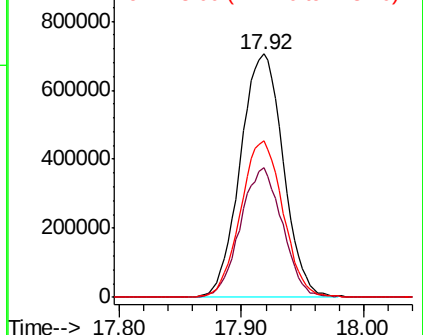
148 63.8 31.9 95.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 6.498 ppbv

RT: 23.47 min Scan# 6434

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

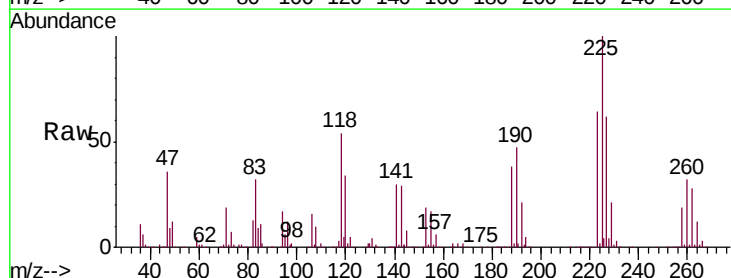
Tgt Ion:225 Resp: 1052809

Ion Ratio Lower Upper

225 100

223 64.6 51.7 77.5

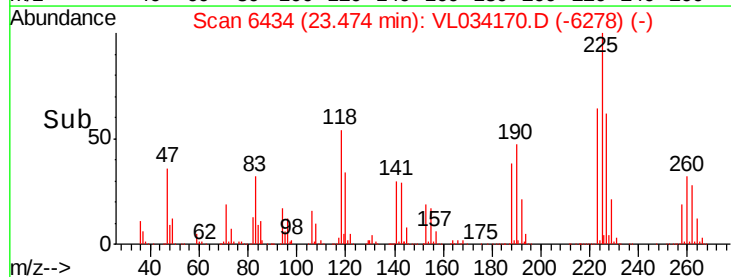
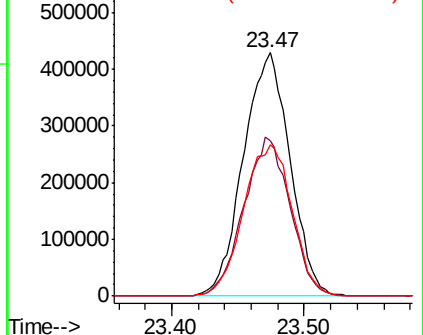
227 65.1 52.1 78.1

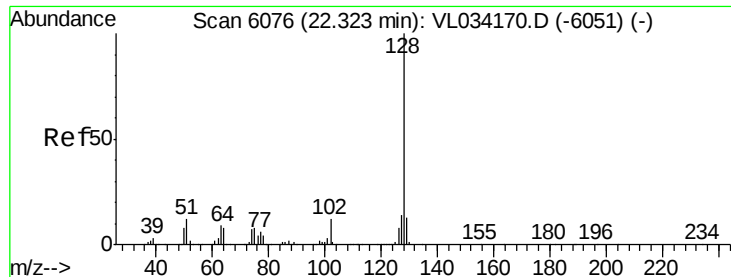


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 7.164 ppbv

RT: 22.32 min Scan# 6076

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

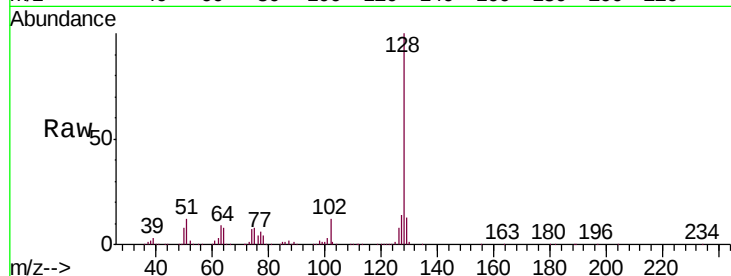
Tgt Ion:128 Resp: 2839304

Ion Ratio Lower Upper

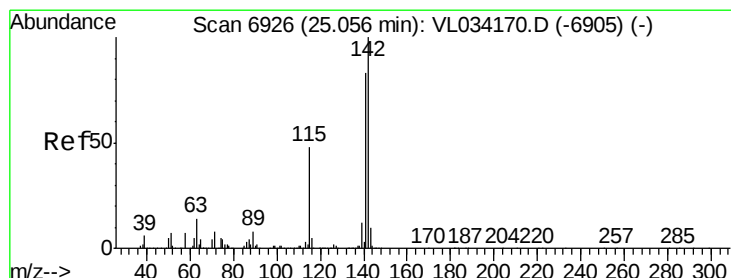
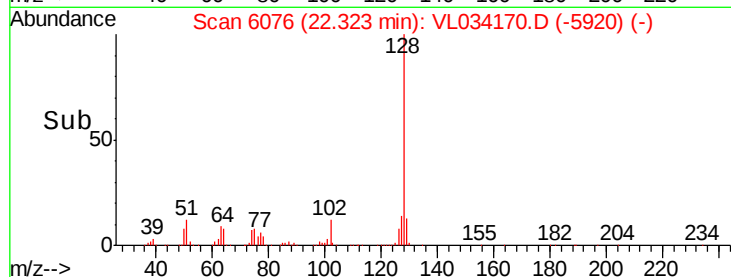
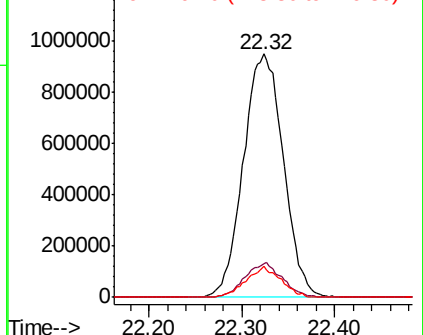
128 100

127 13.9 11.1 16.7

129 12.8 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: 11.624 ppbv

RT: 25.06 min Scan# 6926

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

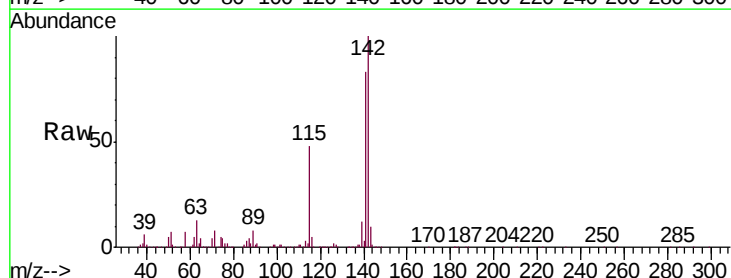
Tgt Ion:142 Resp: 1560389

Ion Ratio Lower Upper

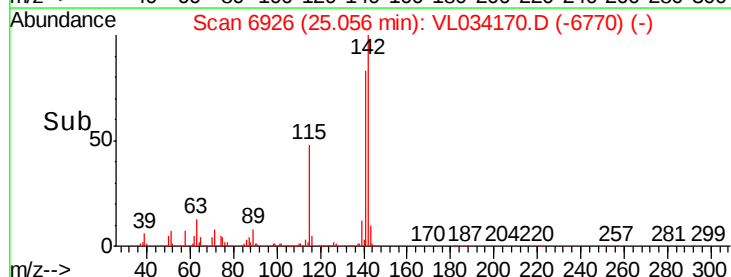
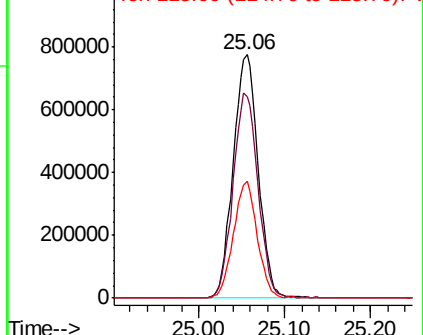
142 100

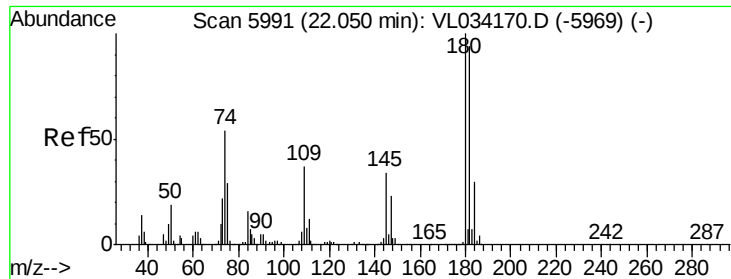
141 84.5 67.6 101.4

115 46.1 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: 7.084 ppbv
 RT: 22.05 min Scan# 5991
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion:180 Resp: 1534543
 Ion Ratio Lower Upper
 180 100
 182 96.7 77.4 116.2
 184 31.2 25.0 37.4

