

Data File : VL034298.D
Acq On : 16 Oct 2019 12:52
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Oct 16 16:50:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1195379	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.22	114	2310242	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.15	117	3045485	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	2069538	7.82	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	78.20%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	1444021	8.178	ppbv	100
3) Chlorodifluoromethane	2.96	51	1344164	9.590	ppbv	97
4) Chloromethane	3.12	50	799996	9.713	ppbv	96
5) Vinyl Chloride	3.24	62	730266	9.702	ppbv	98
6) Bromomethane	3.46	94	379839	10.816	ppbv	96
7) Chloroethane	3.54	64	279043	10.606	ppbv	97
8) Dichlorotetrafluoroethane	3.17	85	1625137	10.428	ppbv	95
9) Propene	2.99	41	629391	9.102	ppbv	97
10) Heptane	8.17	43	1643433	9.119	ppbv	96
11) Trichlorofluoromethane	3.94	101	1834870	11.416	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1223840	11.635	ppbv	91
13) Ethanol	3.59	45	131930	7.879	ppbv	99
14) Bromoethene	3.73	108	522348	12.146	ppbv	98
15) Acetone	3.84	43	1392298	8.690	ppbv	100
16) 1,3-Butadiene	3.31	39	695709	9.950	ppbv	99
17) tert-Butyl alcohol	4.29	59	1274593	12.556	ppbv	100
18) 1,1-Dichloroethene	4.29	96	553203	12.058	ppbv	89
19) Isopropyl Alcohol	3.96	45	1094406	11.108	ppbv	100
20) Methylene Chloride	4.35	84	491085	10.631	ppbv	90
21) Allyl Chloride	4.41	41	979794	10.827	ppbv	98
22) trans-1,2-Dichloroethene	4.90	96	568565	12.387	ppbv	92
23) Vinyl Acetate	5.09	43	2222721	9.415	ppbv	100
24) 1,1-Dichloroethane	5.02	63	1546546	9.729	ppbv	99
25) Ethyl Acetate	5.70	43	2747515	9.069	ppbv	99
26) Hexane	5.71	57	1173691	9.313	ppbv	99
27) Carbon Disulfide	4.56	76	1421709	12.232	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1899055	10.146	ppbv	98
29) Chloroform	5.78	83	1864429	10.353	ppbv	97
30) Cyclohexane	7.17	84	933001	10.254	ppbv	93
31) cis-1,2-Dichloroethene	5.57	61	1285481	10.006	ppbv	94
32) 1,1,1-Trichloroethane	6.54	97	1846041	10.629	ppbv	96
34) 2-Butanone	5.26	43	1872464	7.938	ppbv	96
35) Carbon Tetrachloride	7.06	117	1939756	10.106	ppbv	98
36) Benzene	6.93	78	2203064	8.634	ppbv	100
37) 1,2-Dichloroethane	6.34	62	1630321	8.983	ppbv	100
38) Trichloroethene	7.88	130	863416	9.471	ppbv	92
39) 1,2-Dichloropropane	7.65	63	952849	8.311	ppbv	96
40) 1,4-Dioxane	7.87	88	361622	9.747	ppbv #	80
41) Tetrahydrofuran	6.07	42	1108457	8.343	ppbv	96
42) Bromodichloromethane	7.84	83	2052690	9.425	ppbv #	99
43) Methyl Methacrylate	8.06	69	971282	9.215	ppbv	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	4010930	8.166	ppbv	99
45) t-1,3-Dichloropropene	9.34	75	1317390	10.571	ppbv	99
46) cis-1,3-Dichloropropene	8.75	75	1472647	9.823	ppbv	95
47) 1,1,2-Trichloroethane	9.53	97	947896	9.208	ppbv	96
48) Dibromochloromethane	10.37	129	1706084	10.456	ppbv	99
49) Bromoform	13.12	173	1557384	11.795	ppbv	99
50) 4-Methyl-2-Pentanone	8.79	43	2789857	8.127	ppbv	100
51) 2-Hexanone	10.19	43	2365042	8.209	ppbv	99
52) Tetrachloroethene	11.29	164	850416	10.088	ppbv	96
53) Toluene	9.86	91	2561167	9.185	ppbv	99
54) 1,2-Dibromoethane	10.67	107	1434150	9.368	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.19	131	1110679	8.178	ppbv	97
57) Chlorobenzene	12.22	112	1951633	7.360	ppbv	94
58) Ethyl Benzene	12.78	91	3512503	7.148	ppbv	98
59) m/p-Xylene	13.07	91	3166626	7.780	ppbv #	42
60) o-Xylene	13.76	91	2919700	7.174	ppbv	99
61) Styrene	13.60	104	2210429	7.582	ppbv	98
62) Isopropylbenzene	14.74	105	3824150	7.259	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.75	83	2074939	6.217	ppbv	99
64) n-propylbenzene	15.64	120	1005437	7.543	ppbv	98
65) tert-Butylbenzene	16.82	119	3428330	7.447	ppbv	96
66) Benzyl Chloride	17.07	91	1725836	10.597	ppbv	99
67) sec-Butylbenzene	17.37	105	4717059	7.166	ppbv	98
69) p-Isopropyltoluene	17.73	119	3957074	7.424	ppbv	98
70) n-Butylbenzene	18.63	91	4255892	6.857	ppbv	99
71) 2-Chlorotoluene	15.53	91	3077949	7.150	ppbv	97
72) 4-Ethyltoluene	15.92	105	3398233	7.390	ppbv	99
73) 1,3,5-Trimethylbenzene	16.07	105	3284600	7.394	ppbv	99
74) 1,2,4-Trimethylbenzene	16.84	105	3372126	7.149	ppbv	97
75) 1,3-Dichlorobenzene	17.08	146	1964229	7.762	ppbv	98
76) 1,4-Dichlorobenzene	17.22	146	1974415	7.618	ppbv	98
77) 1,2-Dichlorobenzene	17.90	146	1917513	7.486	ppbv	98
78) Hexachloro-1,3-Butadiene	23.46	225	1459304	8.602	ppbv	99
79) Naphthalene	22.30	128	1476959	3.557	ppbv	96
80) Naphthalene,2-methyl-	25.05	142	943049	4.884	ppbv	94
81) 1,2,4-Trichlorobenzene	22.03	180	1726381	7.505	ppbv	99

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

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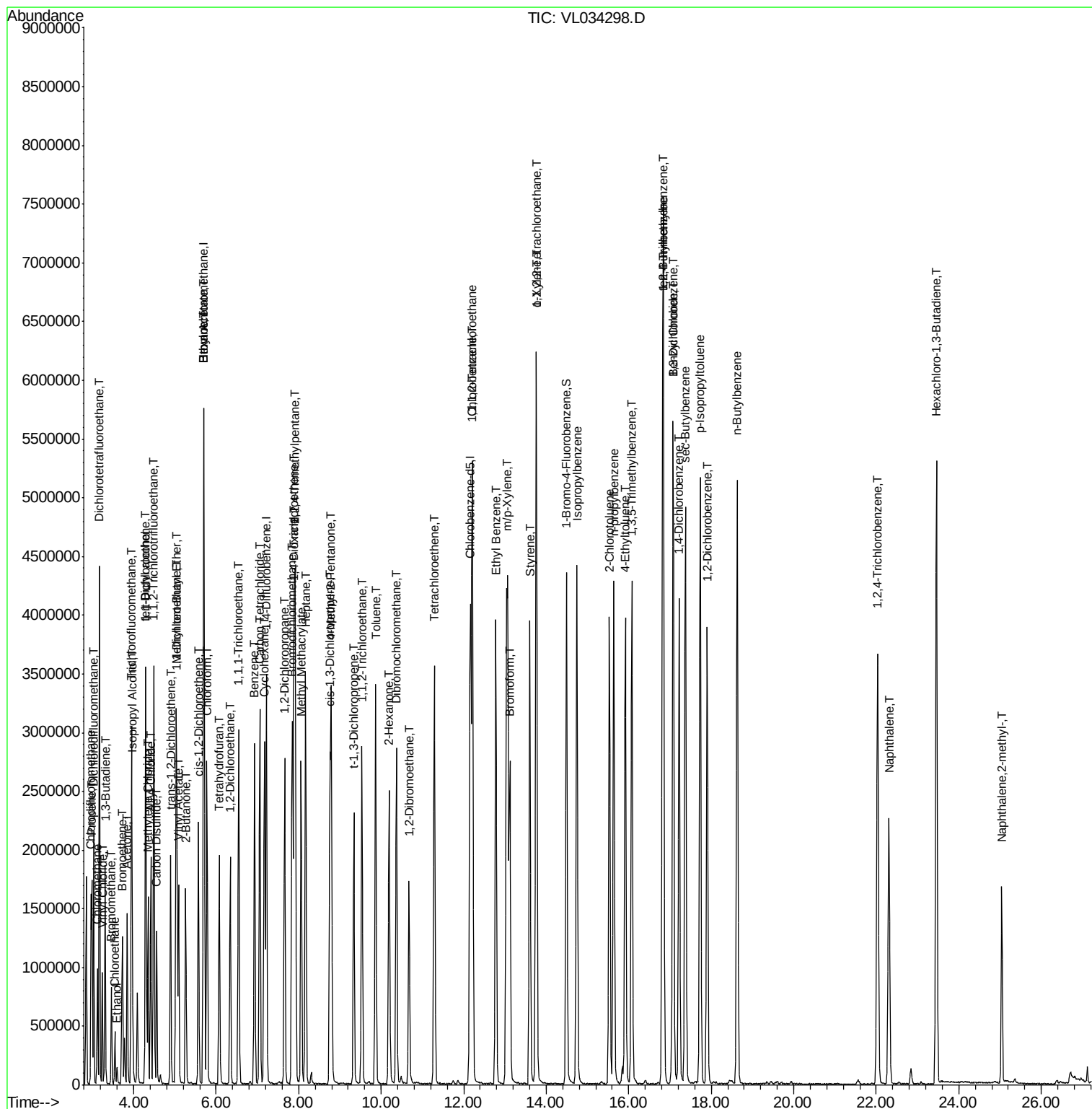
Quant Time: Oct 16 16:50:46 2019

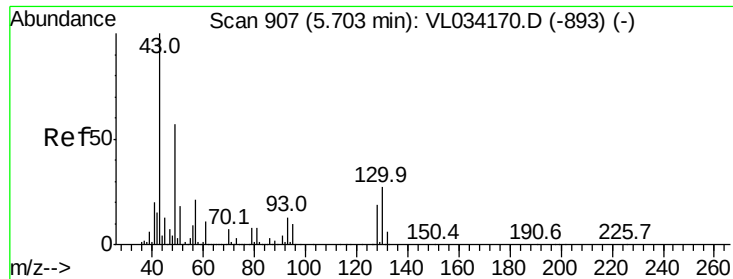
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL101619AIR.M

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 903

Delta R.T. -0.01 min

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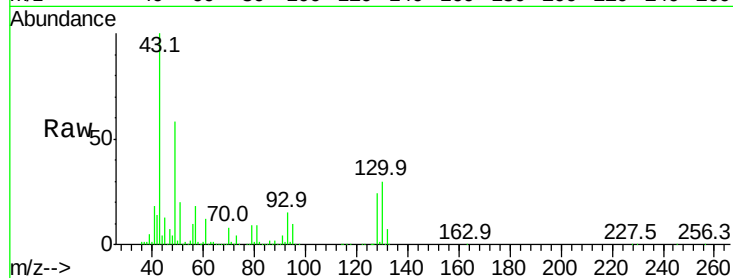
Tgt Ion: 49 Resp: 1195379

Ion Ratio Lower Upper

49 100

128 41.2 17.6 52.9

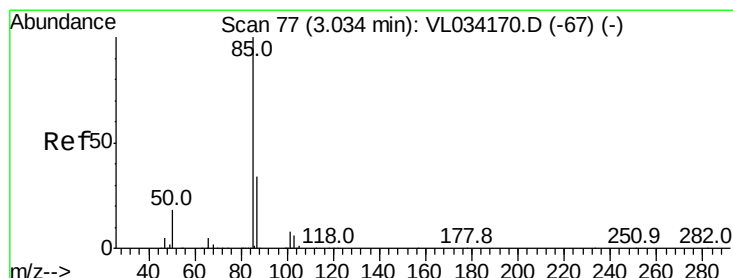
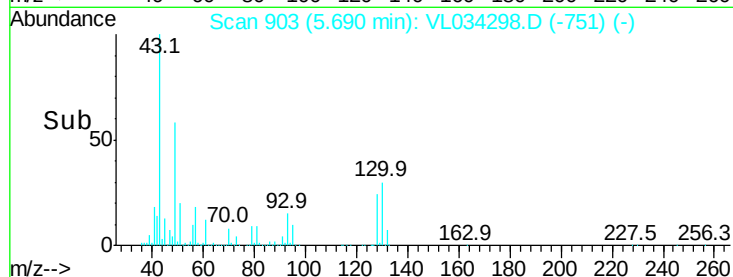
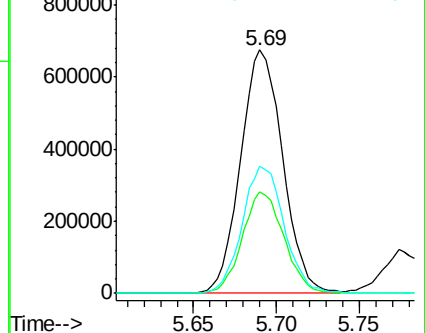
130 52.3 22.3 66.9



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 8.178 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.01 min

Lab File: VL034298.D

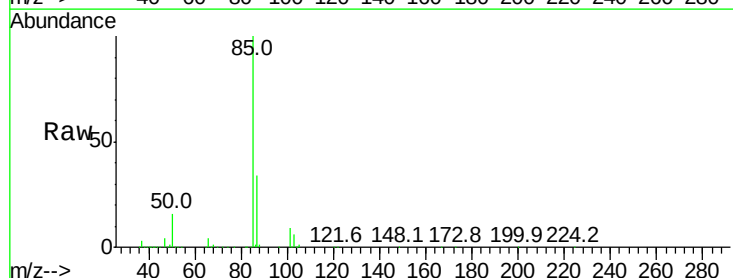
Acq: 16 Oct 2019 12:52

Tgt Ion: 85 Resp: 1444021

Ion Ratio Lower Upper

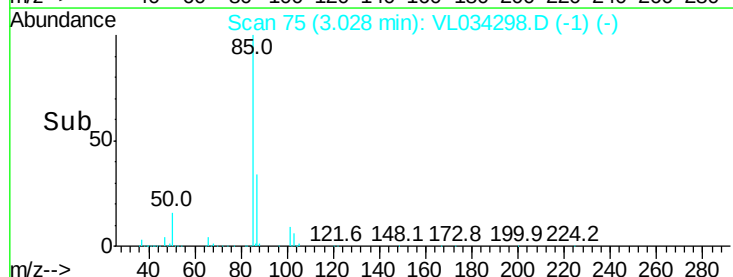
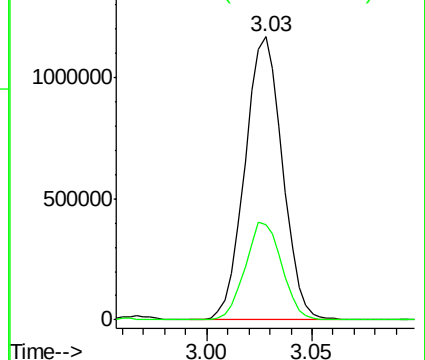
85 100

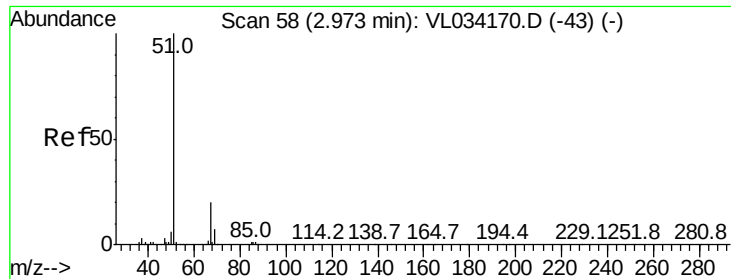
87 33.8 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

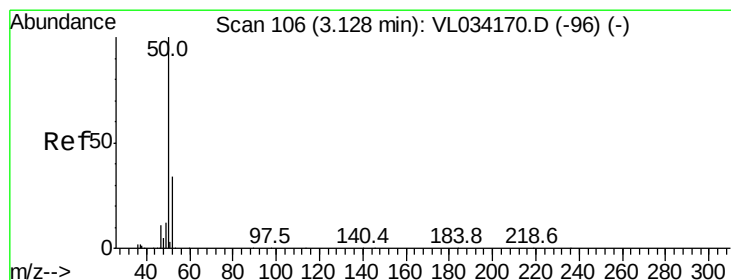
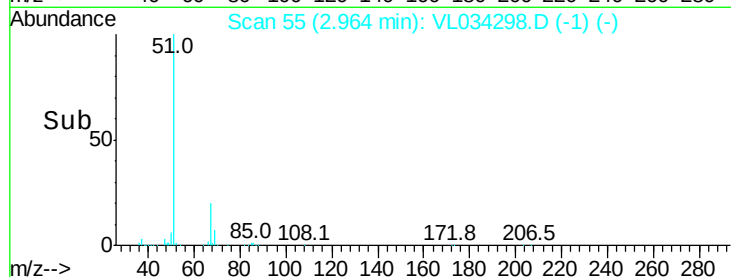
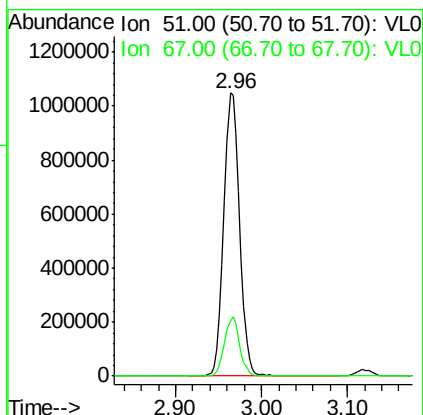
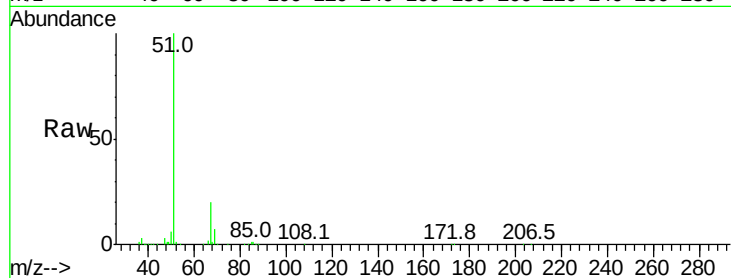




#3
 Chlorodifluoromethane
 Concen: 9.590 ppbv
 RT: 2.96 min Scan# 55
 Delta R.T. -0.01 min
 Lab File: VL034298.D
 Acq: 16 Oct 2019 12:52

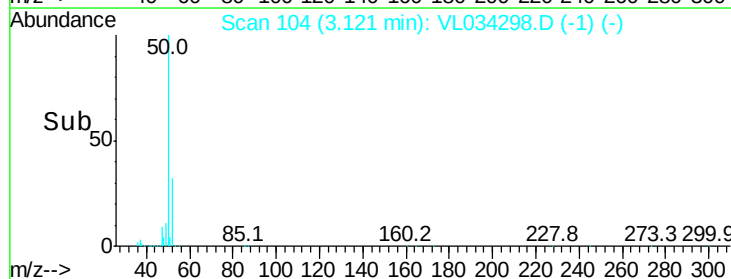
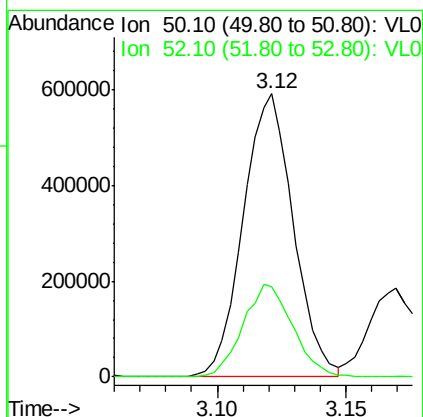
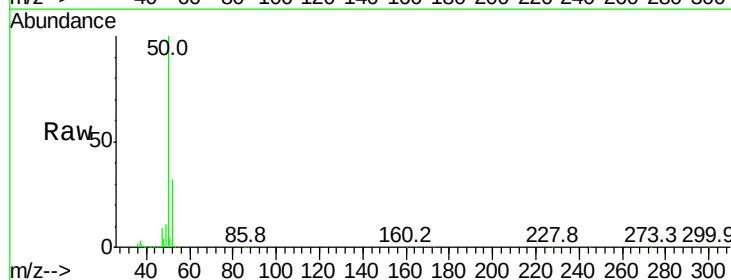
Instrument :
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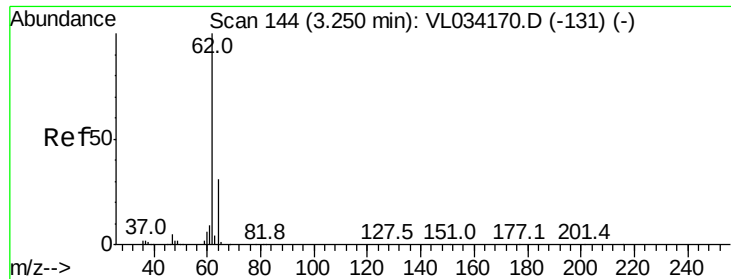
Tgt Ion: 51 Resp: 1344164
 Ion Ratio Lower Upper
 51 100
 67 19.8 14.8 22.2



#4
 Chloromethane
 Concen: 9.713 ppbv
 RT: 3.12 min Scan# 104
 Delta R.T. -0.01 min
 Lab File: VL034298.D
 Acq: 16 Oct 2019 12:52

Tgt Ion: 50 Resp: 799996
 Ion Ratio Lower Upper
 50 100
 52 31.8 27.1 40.7





#5

Vinyl Chloride

Concen: 9.702 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Instrument :

MSVOA_L

ClientSampleId :

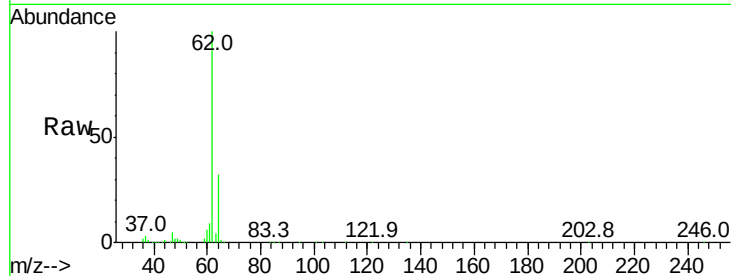
VSTDICCC010

Tgt Ion: 62 Resp: 730266

Ion Ratio Lower Upper

62 100

64 32.5 25.2 37.8



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.24

600000

500000

400000

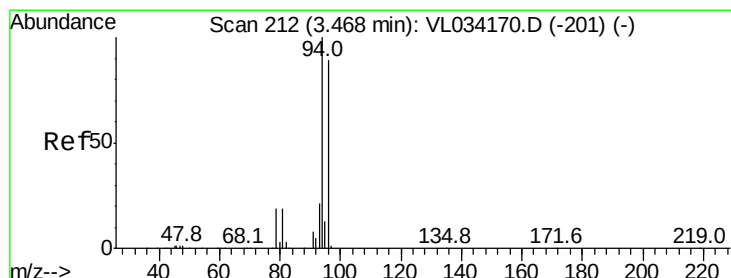
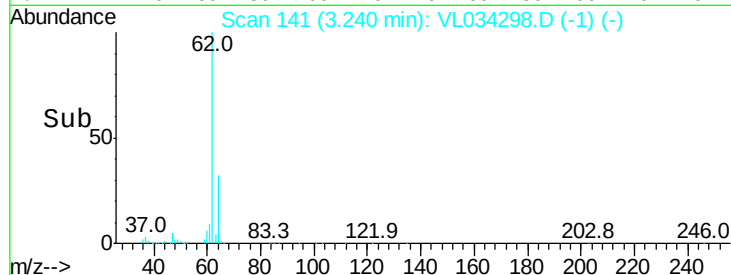
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 10.816 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.01 min

Lab File: VL034298.D

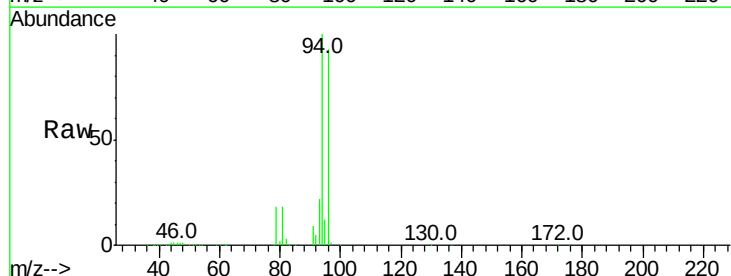
Acq: 16 Oct 2019 12:52

Tgt Ion: 94 Resp: 379839

Ion Ratio Lower Upper

94 100

96 93.3 71.3 106.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.46

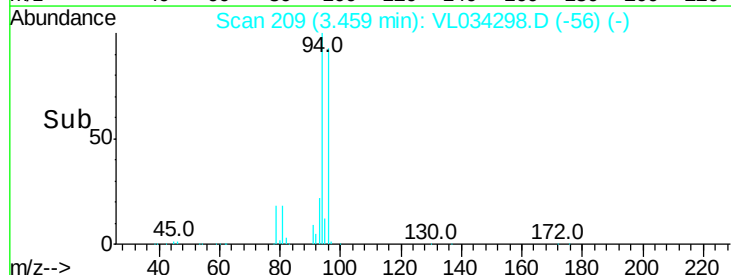
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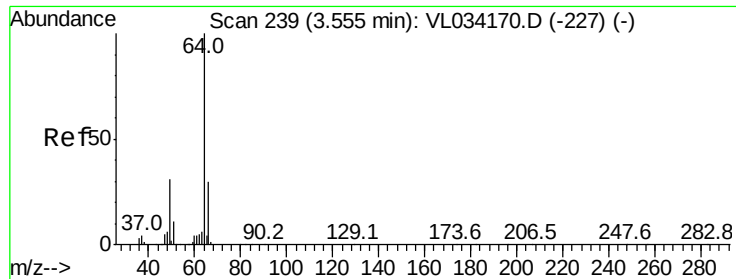
200000

100000

0

Time-->





#7

Chloroethane

Concen: 10.606 ppbv

RT: 3.54 min Scan# 235

Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Instrument :

MSVOA_L

ClientSampleId :

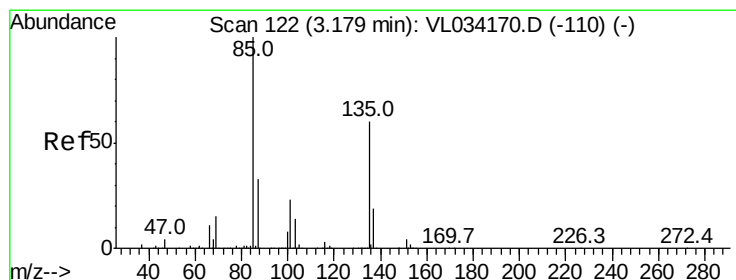
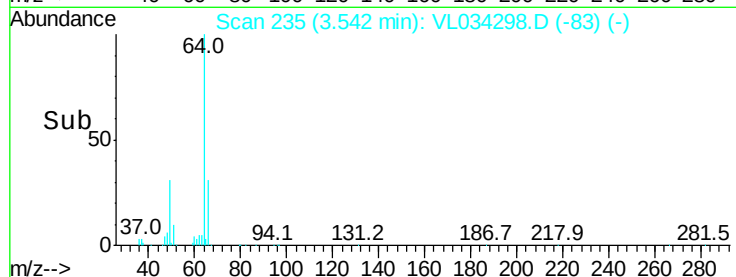
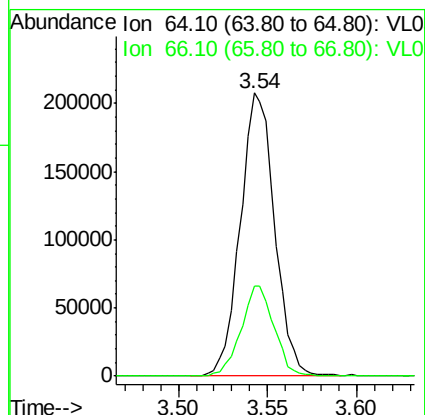
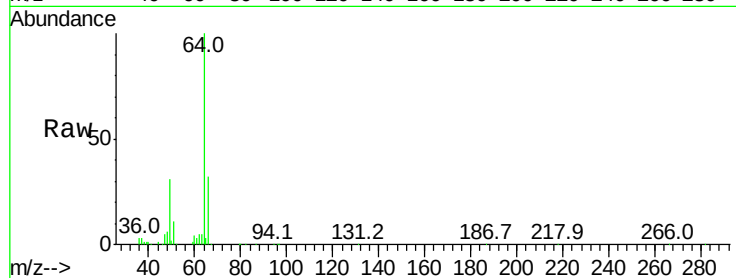
VSTDICCC010

Tgt Ion: 64 Resp: 279043

Ion Ratio Lower Upper

64 100

66 31.7 24.2 36.4



#8

Dichlorotetrafluoroethane

Concen: 10.428 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.01 min

Lab File: VL034298.D

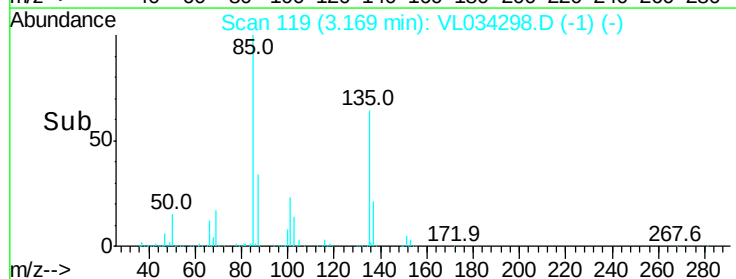
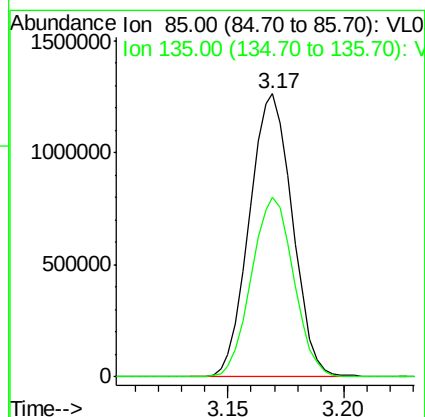
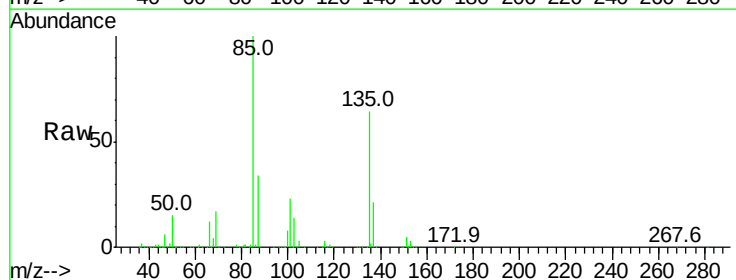
Acq: 16 Oct 2019 12:52

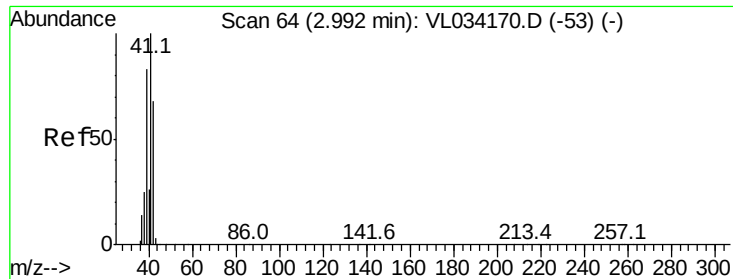
Tgt Ion: 85 Resp: 1625137

Ion Ratio Lower Upper

85 100

135 62.7 47.3 70.9





#9

Propene

Concen: 9.102 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.01 min

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Instrument :

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ClientSampleId :

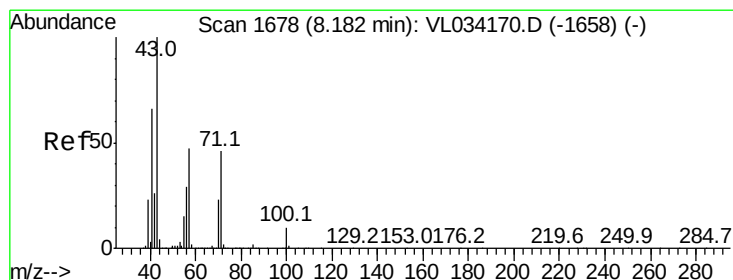
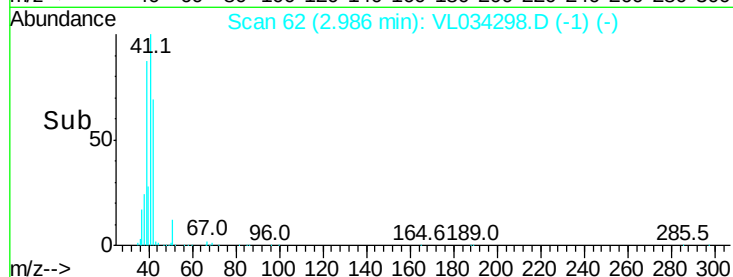
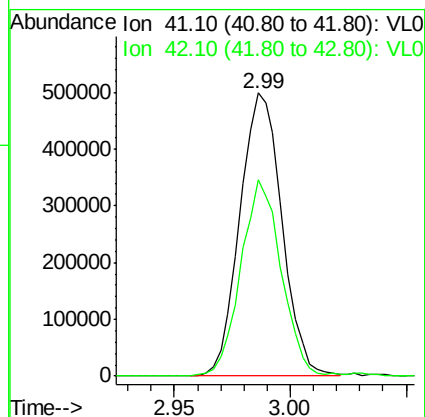
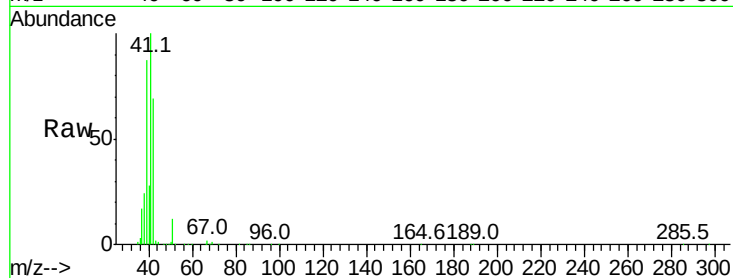
VSTDICCC010

Tgt Ion: 41 Resp: 629391

Ion Ratio Lower Upper

41 100

42 67.4 55.8 83.6



#10

Heptane

Concen: 9.119 ppbv

RT: 8.17 min Scan# 1673

Delta R.T. -0.02 min

Lab File: VL034298.D

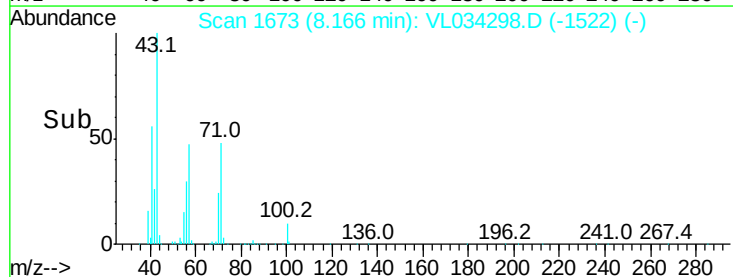
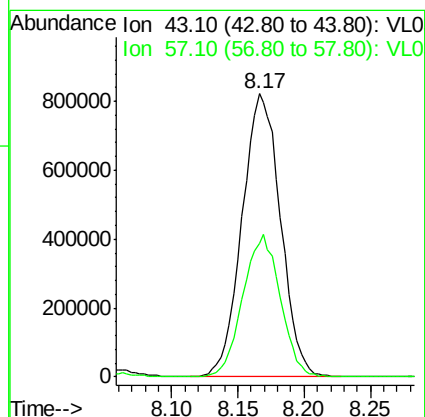
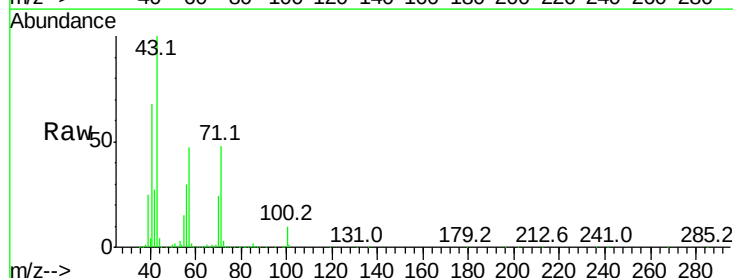
Acq: 16 Oct 2019 12:52

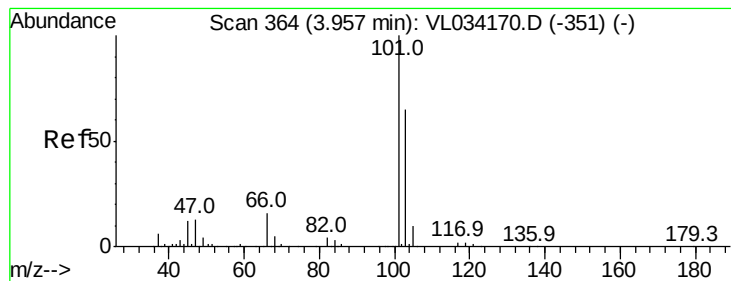
Tgt Ion: 43 Resp: 1643433

Ion Ratio Lower Upper

43 100

57 49.4 37.5 56.3





#11

Trichlorofluoromethane

Concen: 11.416 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.01 min

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Acq: 16 Oct 2019 12:52

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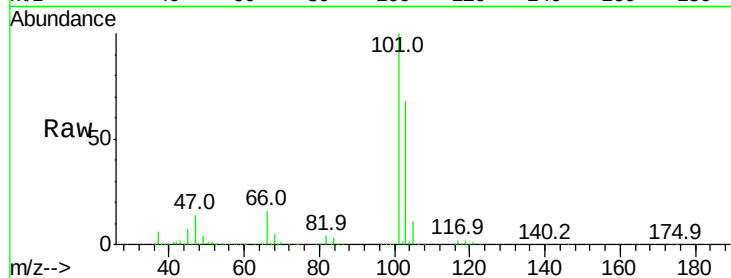
VSTDICCC010

Tgt Ion:101 Resp: 1834870

Ion Ratio Lower Upper

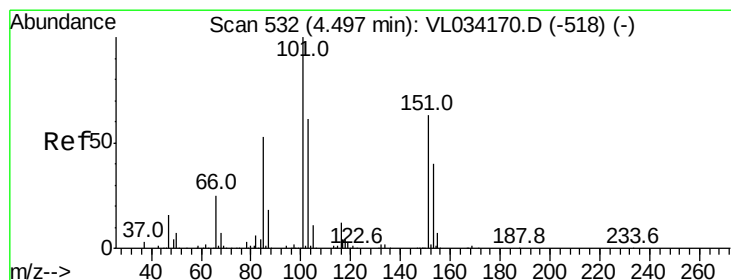
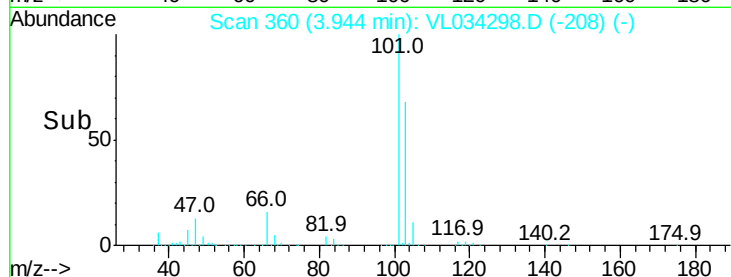
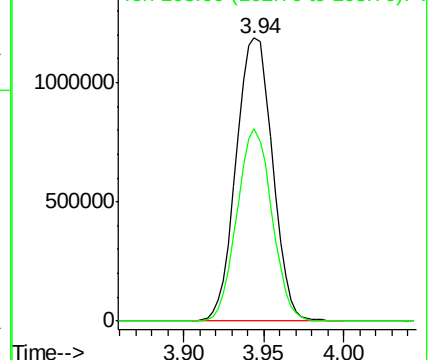
101 100

103 68.1 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 11.635 ppbv

RT: 4.48 min Scan# 528

Delta R.T. -0.01 min

Lab File: VL034298.D

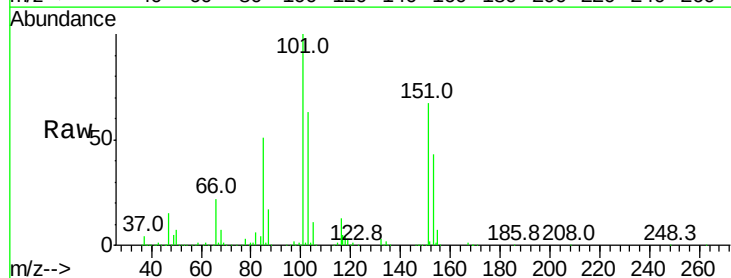
Acq: 16 Oct 2019 12:52

Tgt Ion:101 Resp: 1223840

Ion Ratio Lower Upper

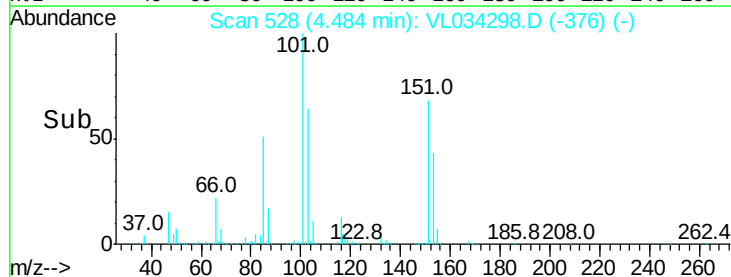
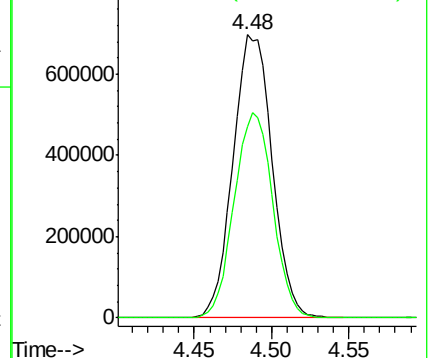
101 100

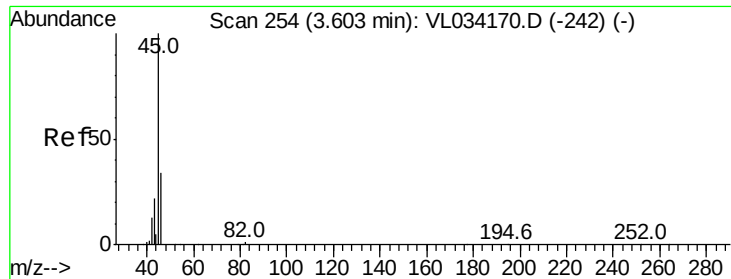
151 71.8 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 7.879 ppbv

RT: 3.59 min Scan# 251

Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Instrument :

MSVOA_L

ClientSampleId :

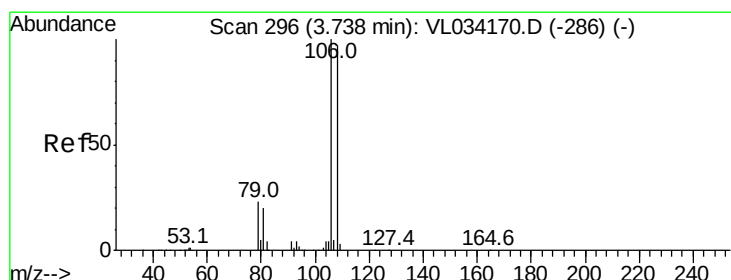
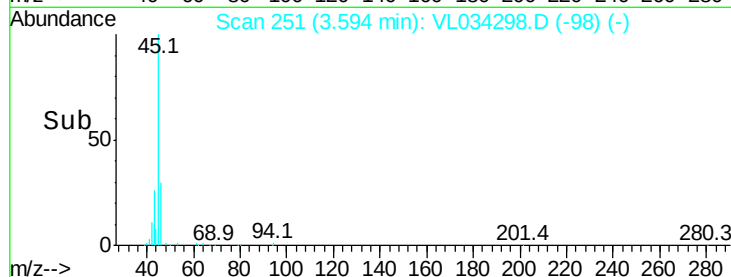
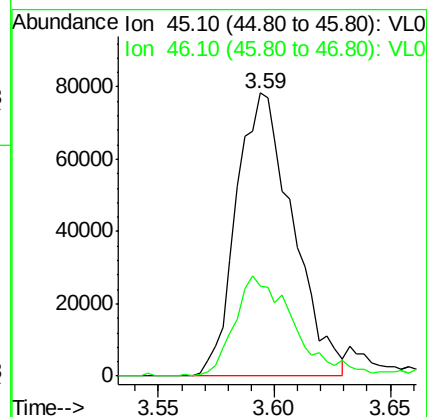
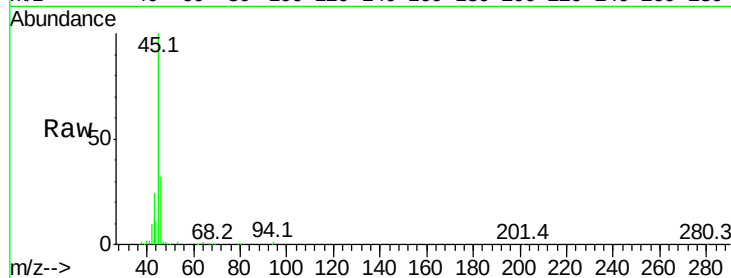
VSTDICCC010

Tgt Ion: 45 Resp: 131930

Ion Ratio Lower Upper

45 100

46 39.5 15.5 61.9



#14

Bromoethene

Concen: 12.146 ppbv

RT: 3.73 min Scan# 293

Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

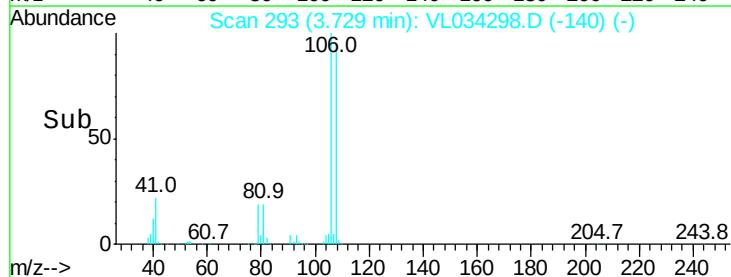
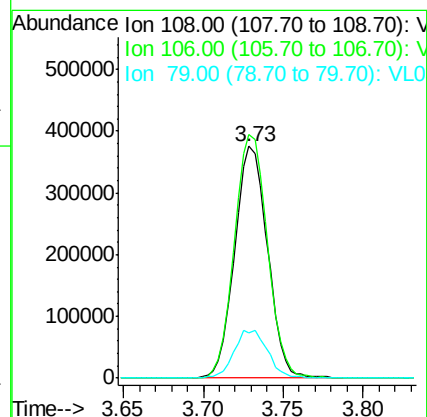
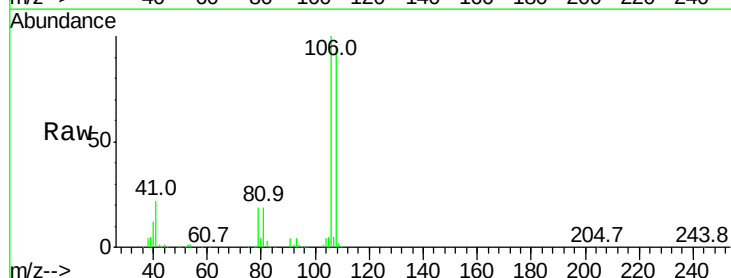
Tgt Ion: 108 Resp: 522348

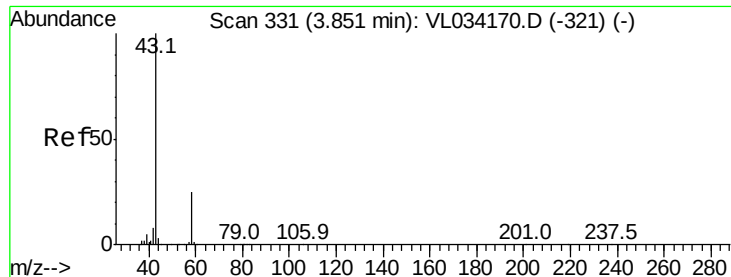
Ion Ratio Lower Upper

108 100

106 106.0 86.2 129.4

79 21.2 18.6 27.8





#15

Acetone

Concen: 8.690 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Instrument :

MSVOA_L

ClientSampleId :

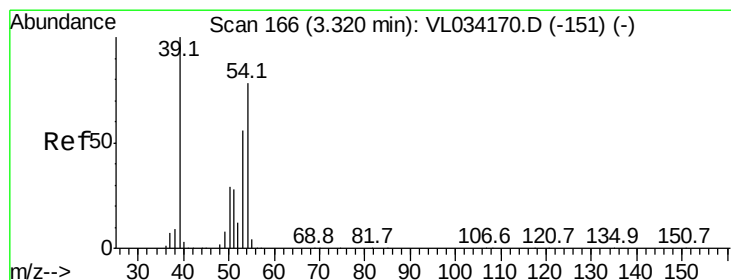
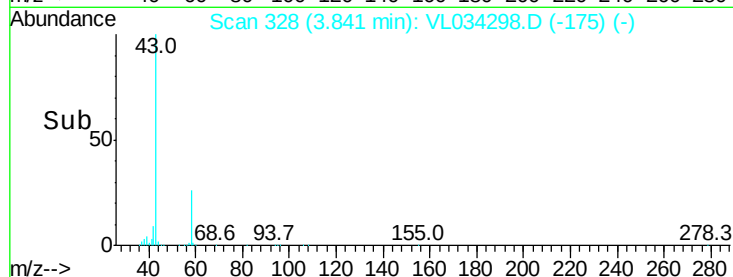
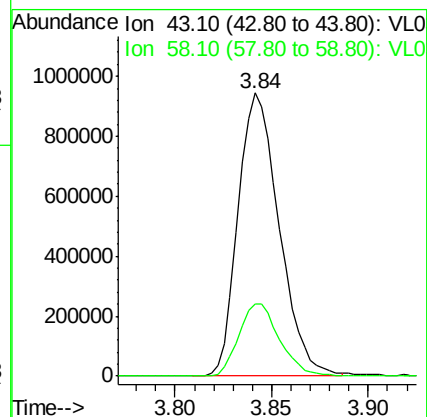
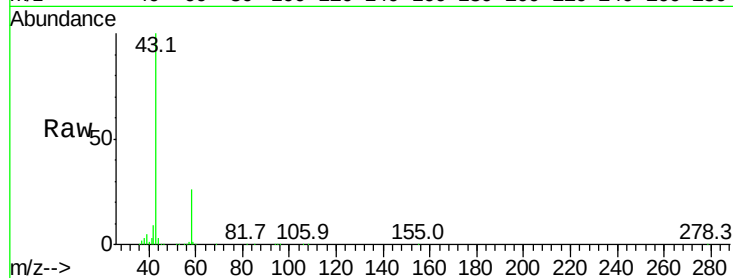
VSTDICCC010

Tgt Ion: 43 Resp: 1392298

Ion Ratio Lower Upper

43 100

58 25.5 20.5 30.7



#16

1,3-Butadiene

Concen: 9.950 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.01 min

Lab File: VL034298.D

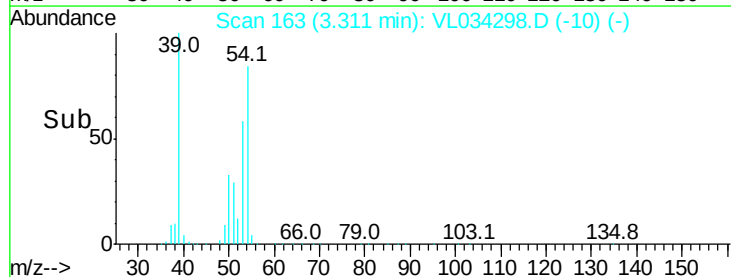
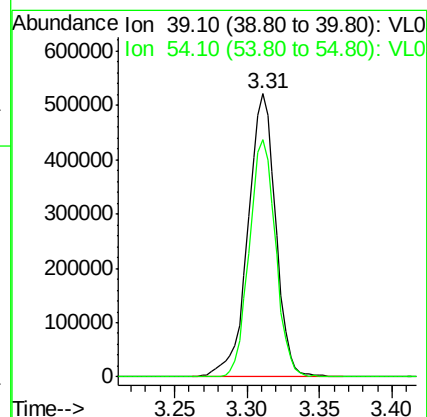
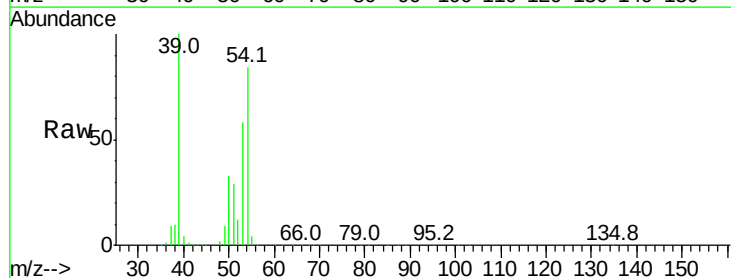
Acq: 16 Oct 2019 12:52

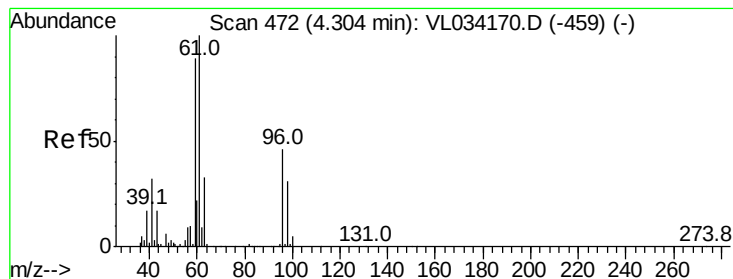
Tgt Ion: 39 Resp: 695709

Ion Ratio Lower Upper

39 100

54 79.9 63.4 95.0





#17

tert-Butyl alcohol

Concen: 12.556 ppbv

RT: 4.29 min Scan# 468

Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Instrument :

MSVOA_L

ClientSampleId :

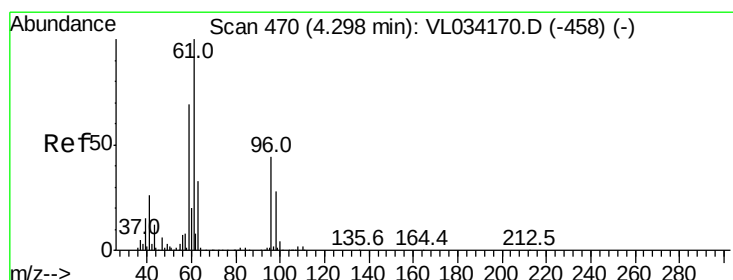
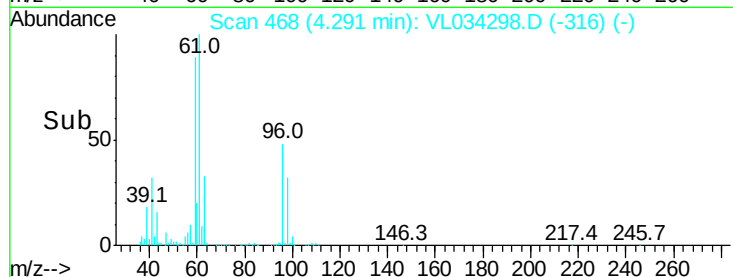
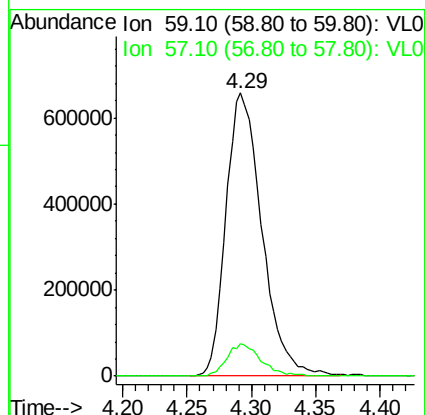
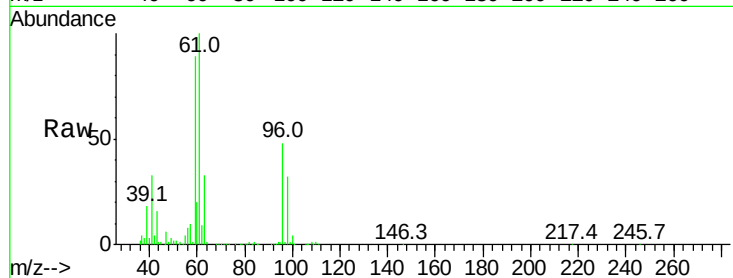
VSTDICCC010

Tgt Ion: 59 Resp: 1274593

Ion Ratio Lower Upper

59 100

57 11.0 8.7 13.1



#18

1,1-Dichloroethene

Concen: 12.058 ppbv

RT: 4.29 min Scan# 467

Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

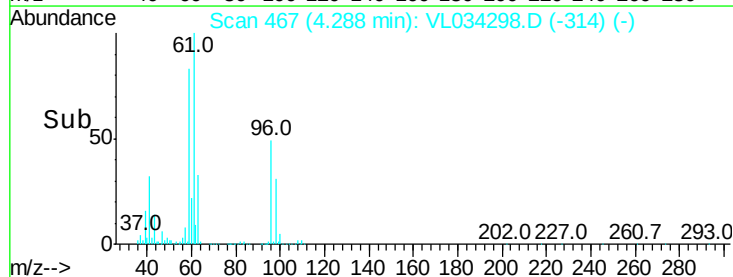
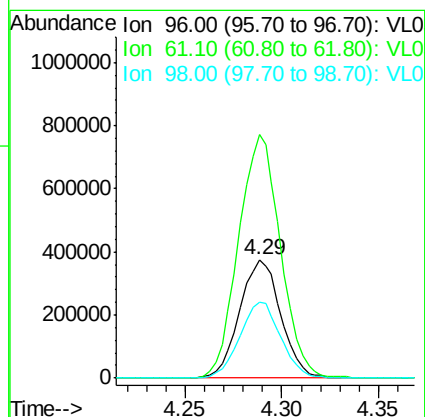
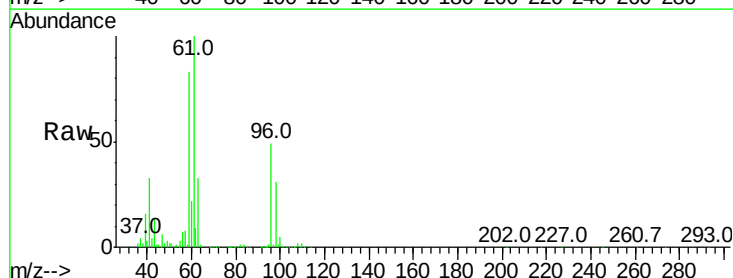
Tgt Ion: 96 Resp: 553203

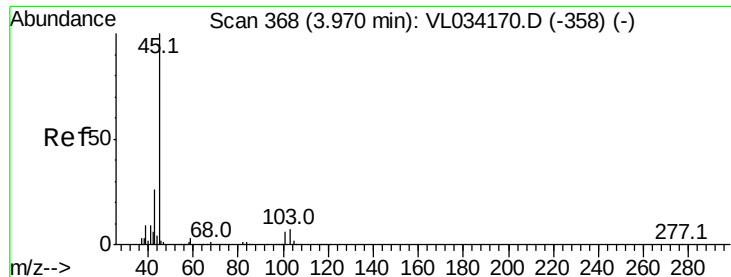
Ion Ratio Lower Upper

96 100

61 205.6 183.3 274.9

98 64.6 51.4 77.2

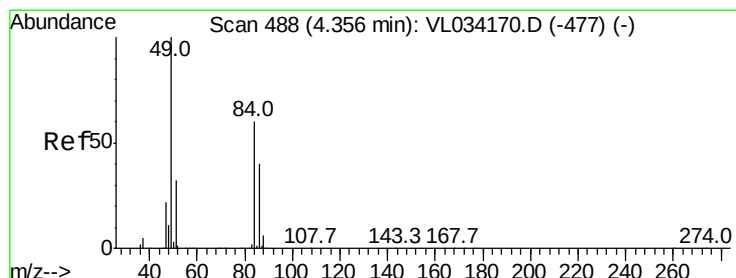
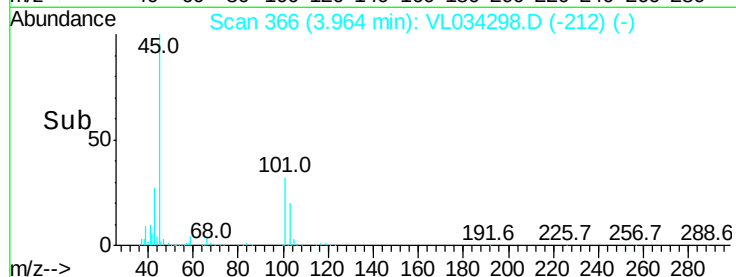
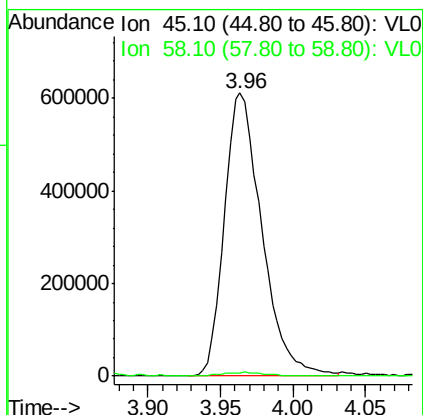
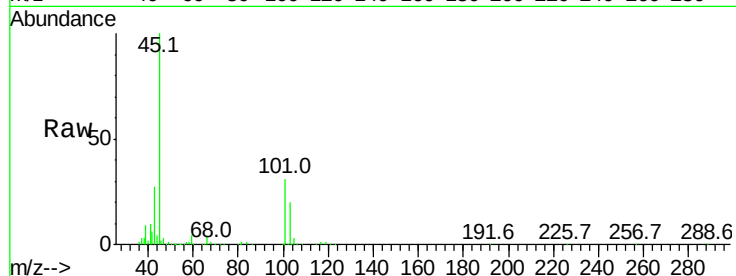




#19
Isopropyl Alcohol
Concen: 11.108 ppbv
RT: 3.96 min Scan# 366
Delta R.T. -0.01 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

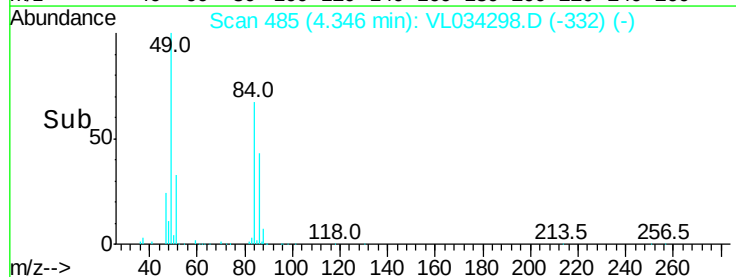
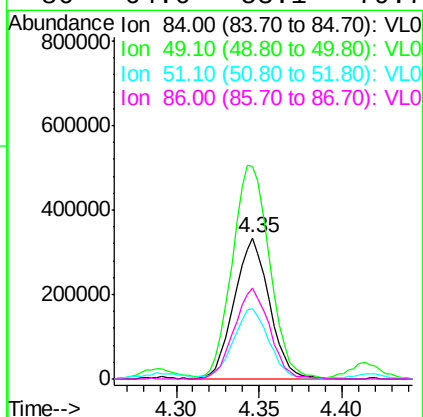
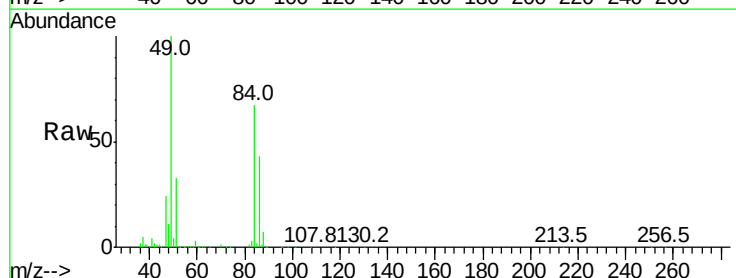
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

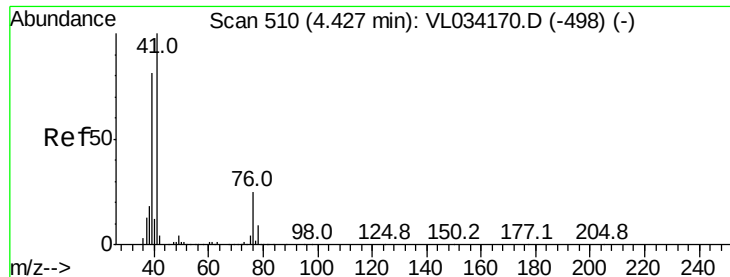
Tgt Ion: 45 Resp: 1094406
Ion Ratio Lower Upper
45 100
58 1.8 1.4 2.0



#20
Methylene Chloride
Concen: 10.631 ppbv
RT: 4.35 min Scan# 485
Delta R.T. -0.01 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

Tgt Ion: 84 Resp: 491085
Ion Ratio Lower Upper
84 100
49 148.1 133.8 200.8
51 48.5 43.6 65.4
86 64.6 53.1 79.7





#21

Allyl Chloride

Concen: 10.827 ppbv

RT: 4.41 min Scan# 506

Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

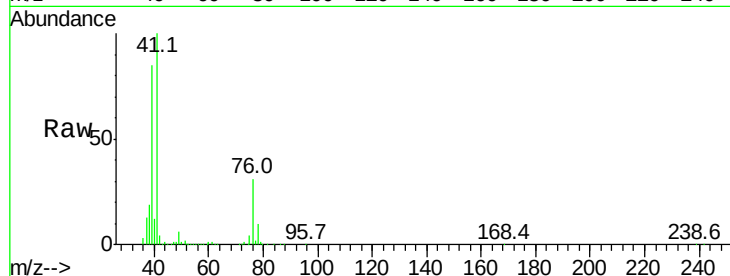
Tgt Ion: 41 Resp: 979794

Ion Ratio Lower Upper

41 100

76 28.5 21.8 32.6

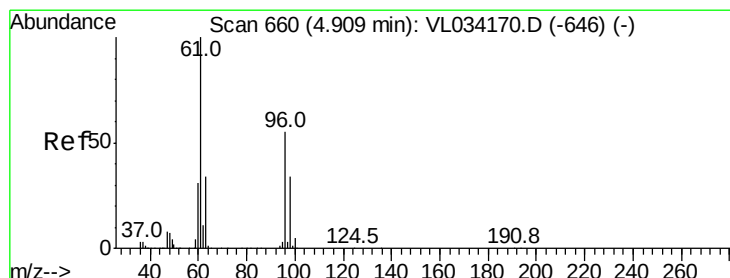
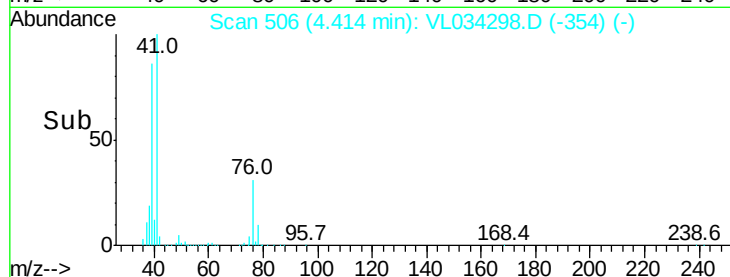
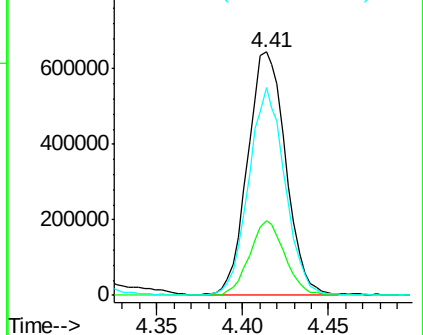
39 82.5 64.8 97.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 12.387 ppbv

RT: 4.90 min Scan# 656

Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

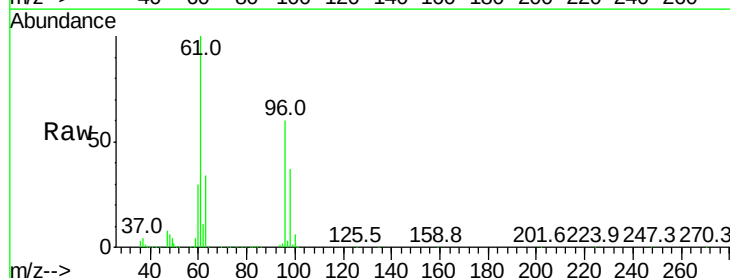
Tgt Ion: 96 Resp: 568565

Ion Ratio Lower Upper

96 100

61 167.2 145.5 218.3

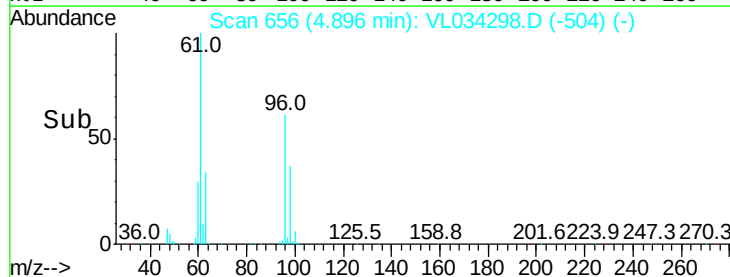
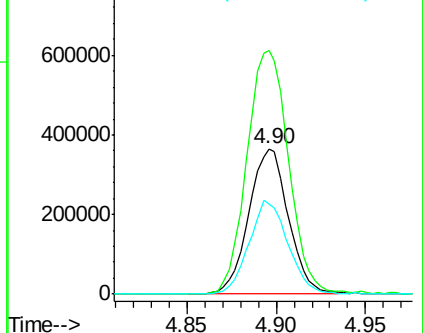
98 61.7 49.9 74.9

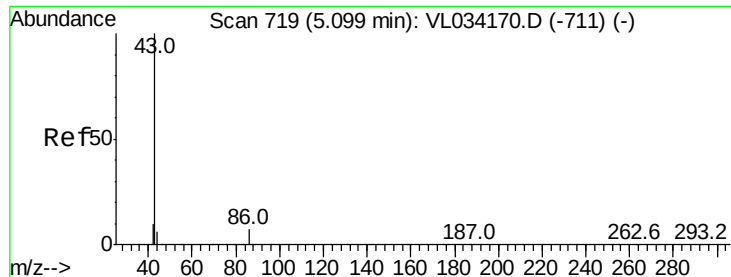


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.415 ppbv

RT: 5.09 min Scan# 715

Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Instrument :

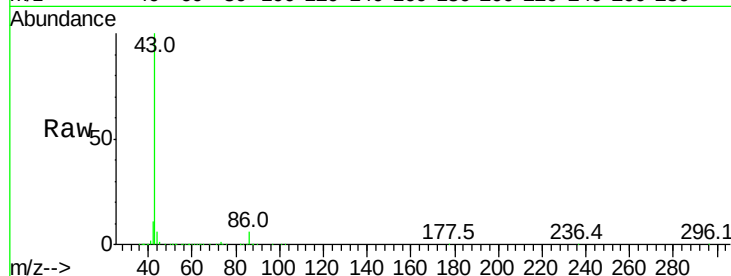
MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 2222721

Ion	Ratio	Lower	Upper
43	100		
86	6.2	5.1	7.7
42	10.8	8.6	12.8
44	6.0	4.7	7.1

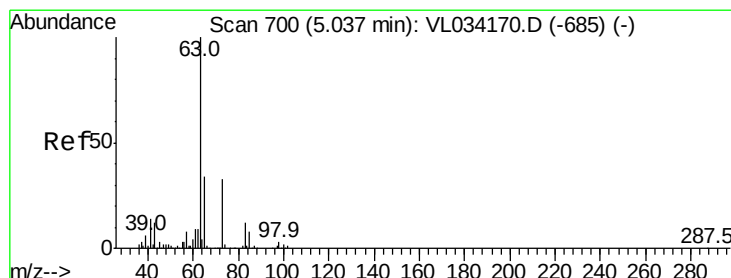
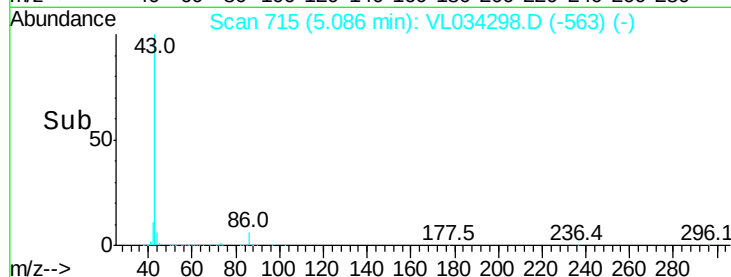


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.729 ppbv

RT: 5.02 min Scan# 696

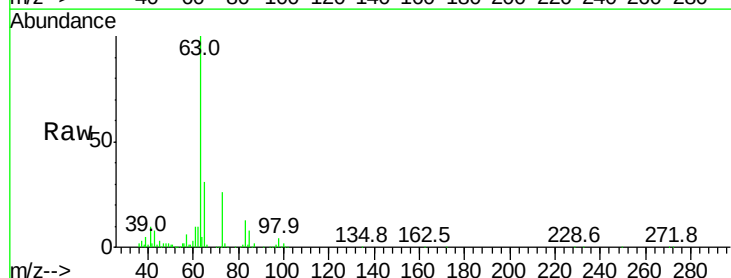
Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Tgt Ion: 63 Resp: 1546546

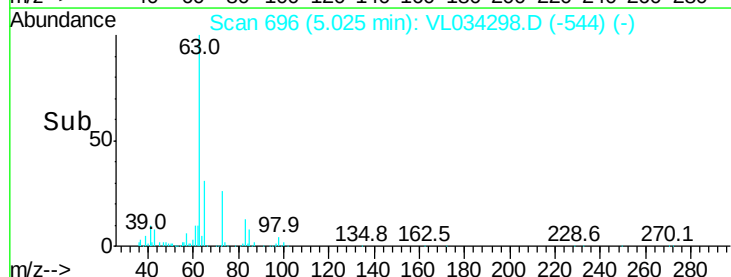
Ion	Ratio	Lower	Upper
63	100		
98	4.0	1.8	5.3
100	2.3	1.0	3.0

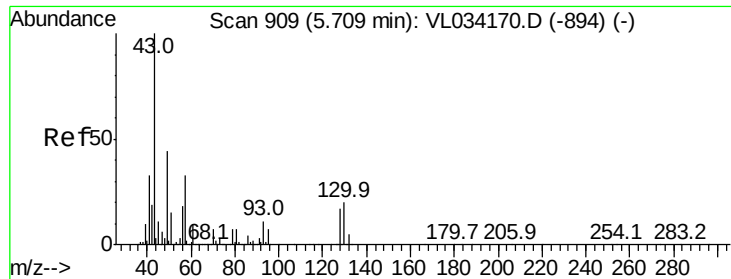


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



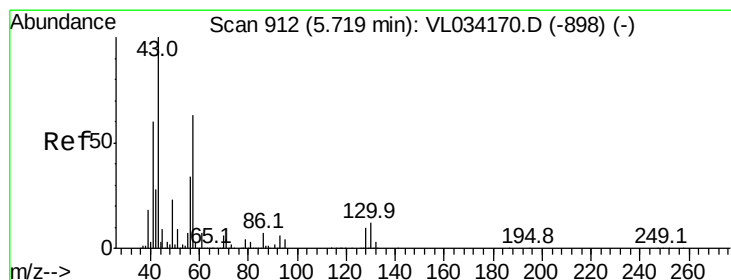
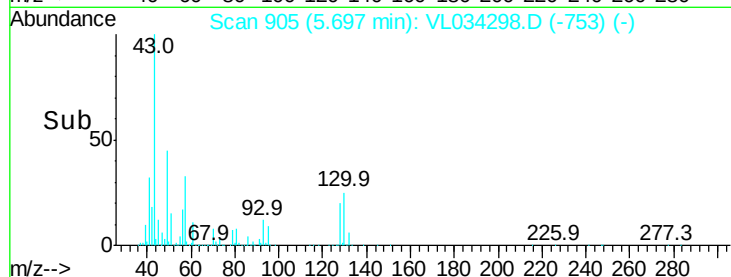
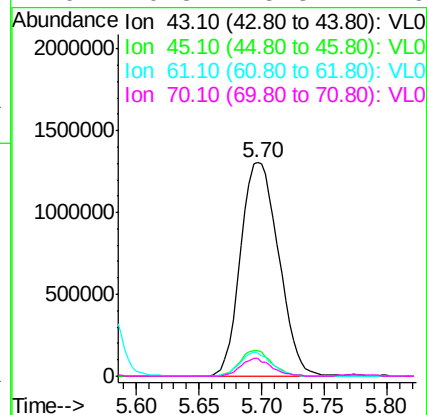
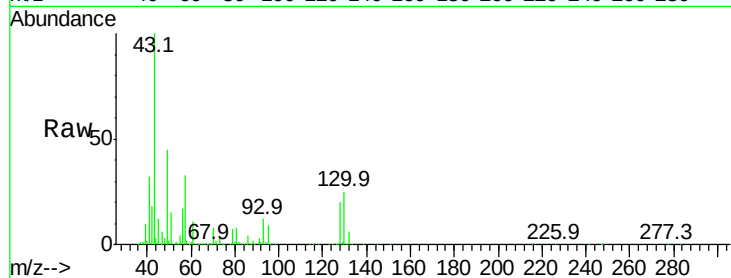


#25
Ethyl Acetate
Concen: 9.069 ppbv
RT: 5.70 min Scan# 905
Delta R.T. -0.01 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 2747515

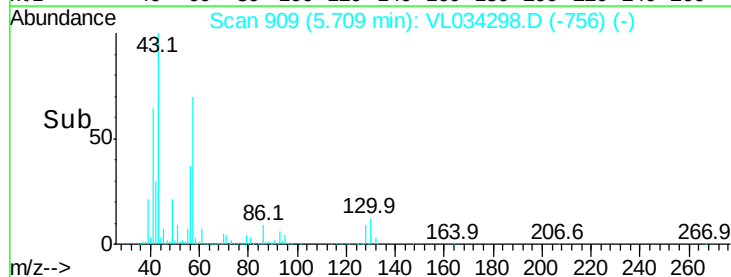
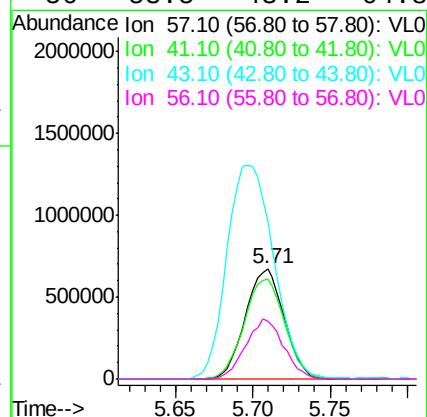
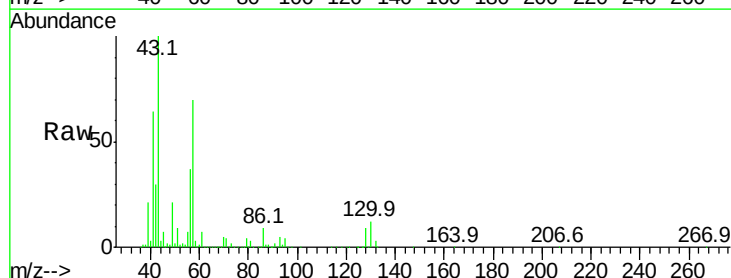
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.4	12.6
61	9.6	7.2	10.8
70	6.8	5.3	7.9

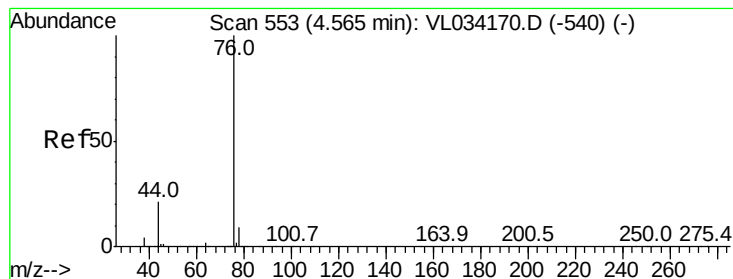


#26
Hexane
Concen: 9.313 ppbv
RT: 5.71 min Scan# 909
Delta R.T. -0.01 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

Tgt Ion: 57 Resp: 1173691

Ion	Ratio	Lower	Upper
57	100		
41	95.6	78.5	117.7
43	235.6	189.5	284.3
56	53.5	43.2	64.8





#27

Carbon Disulfide

Concen: 12.232 ppbv

RT: 4.56 min Scan# 550

Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

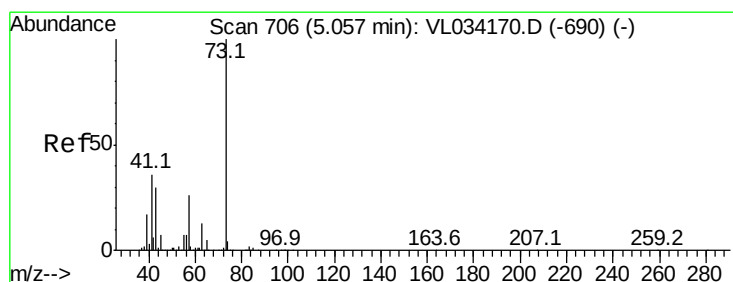
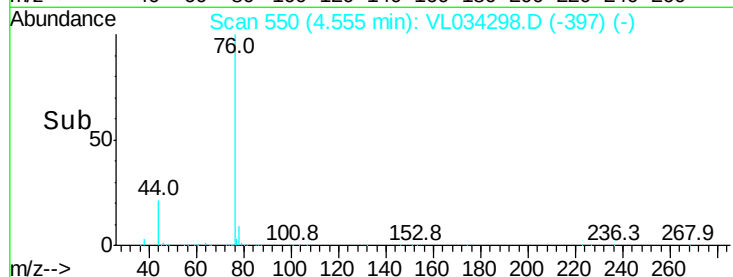
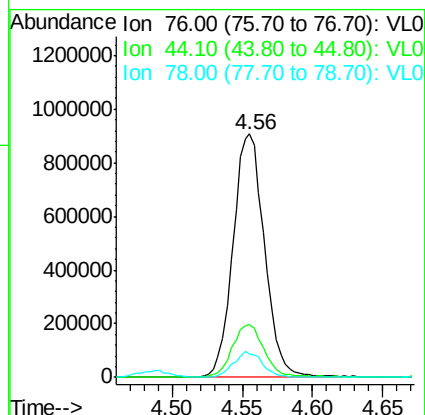
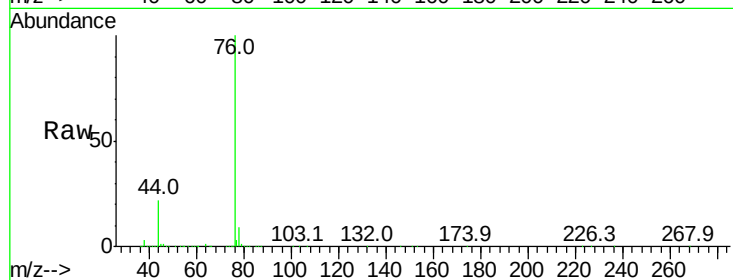
Tgt Ion: 76 Resp: 1421709

Ion Ratio Lower Upper

76 100

44 21.6 17.6 26.4

78 9.7 7.6 11.4



#28

Methyl tert-Butyl Ether

Concen: 10.146 ppbv

RT: 5.04 min Scan# 702

Delta R.T. -0.01 min

Lab File: VL034298.D

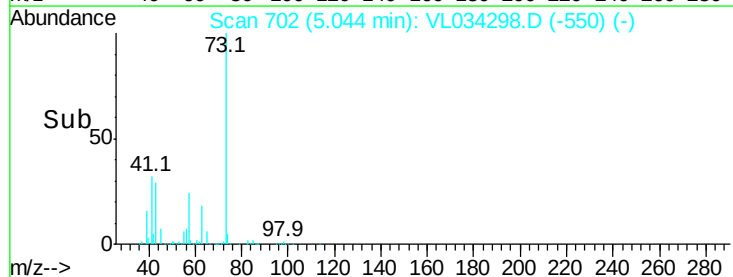
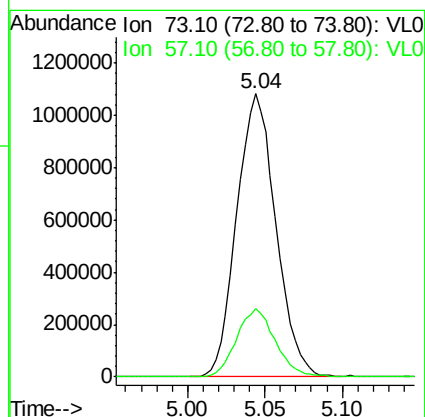
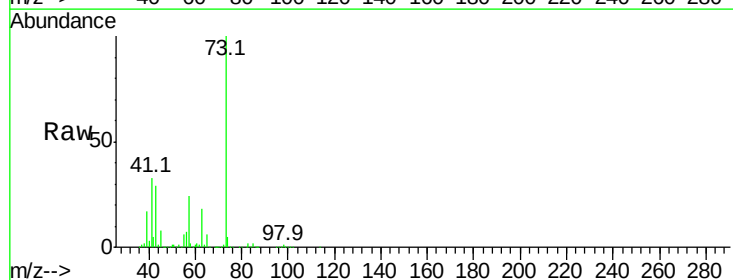
Acq: 16 Oct 2019 12:52

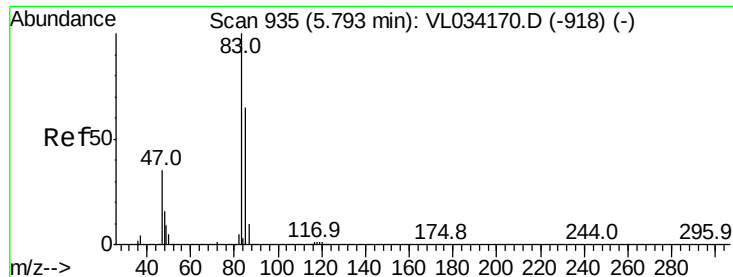
Tgt Ion: 73 Resp: 1899055

Ion Ratio Lower Upper

73 100

57 24.0 20.2 30.2

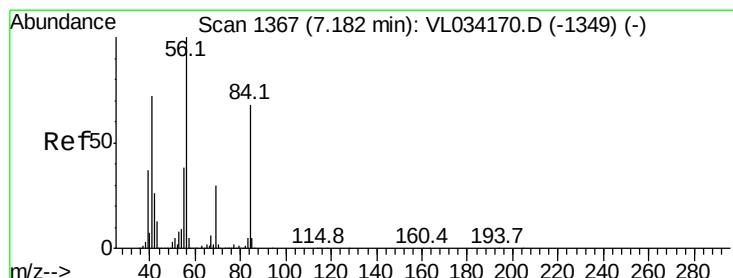
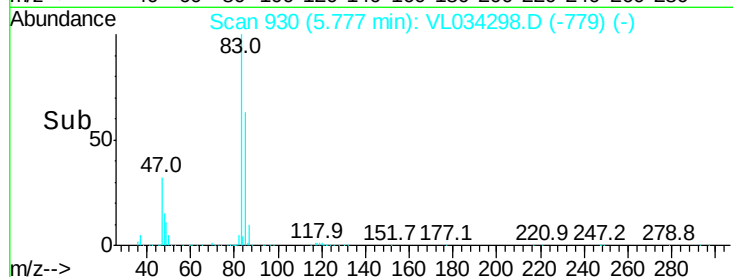
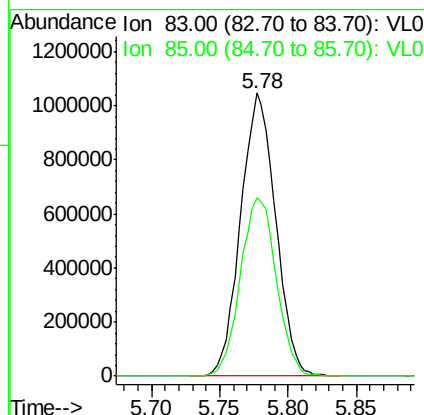
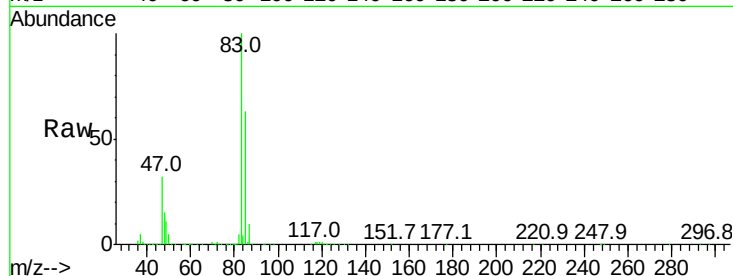




#29
Chloroform
Concen: 10.353 ppbv
RT: 5.78 min Scan# 930
Delta R.T. -0.02 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

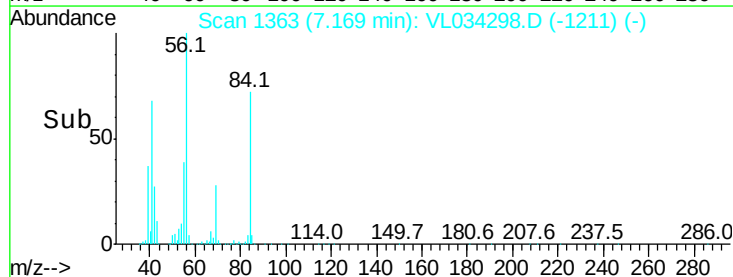
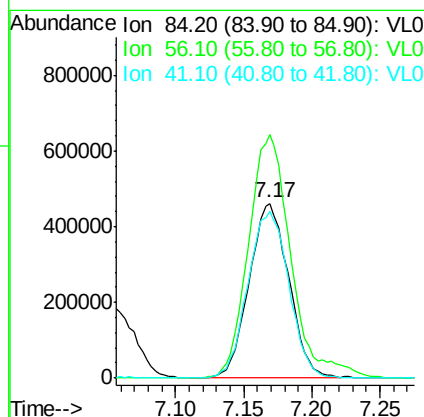
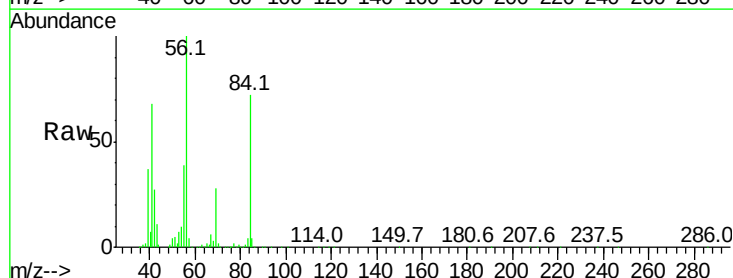
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

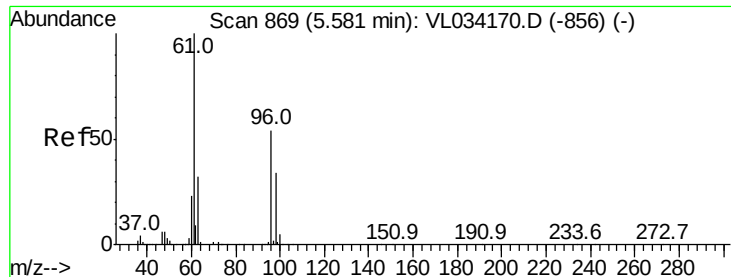
Tgt Ion: 83 Resp: 1864429
Ion Ratio Lower Upper
83 100
85 63.1 52.3 78.5



#30
Cyclohexane
Concen: 10.254 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

Tgt Ion: 84 Resp: 933001
Ion Ratio Lower Upper
84 100
56 149.2 126.2 189.2
41 98.4 85.8 128.8





#31

cis-1,2-Dichloroethene

Concen: 10.006 ppbv

RT: 5.57 min Scan# 866

Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

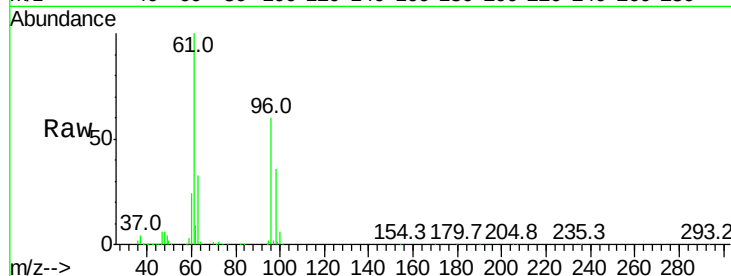
Tgt Ion: 61 Resp: 1285481

Ion Ratio Lower Upper

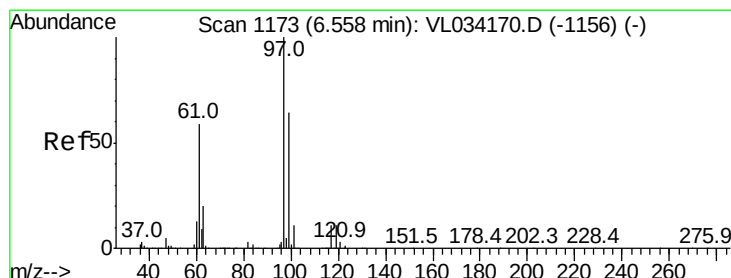
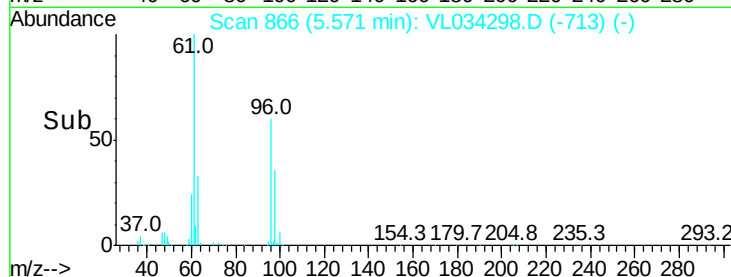
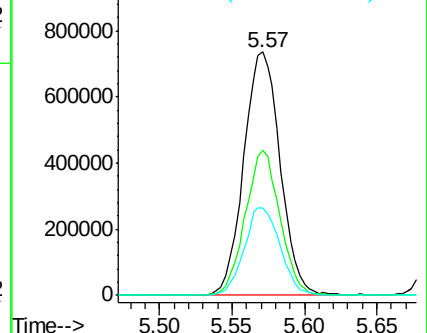
61 100

96 59.4 43.0 64.4

98 36.0 27.2 40.8



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: 10.629 ppbv

RT: 6.54 min Scan# 1168

Delta R.T. -0.02 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

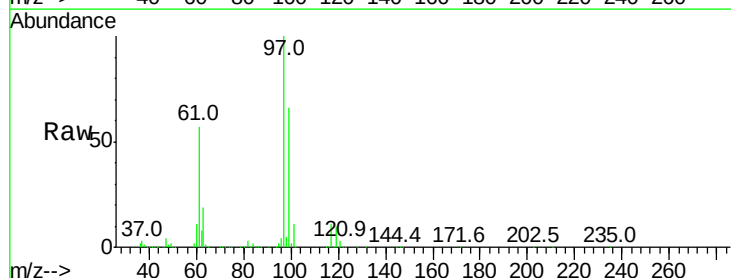
Tgt Ion: 97 Resp: 1846041

Ion Ratio Lower Upper

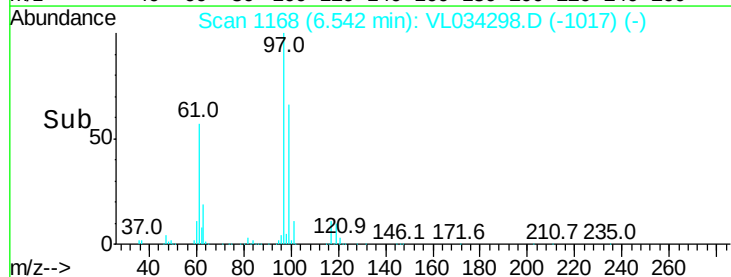
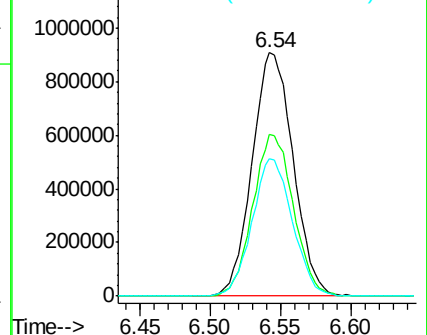
97 100

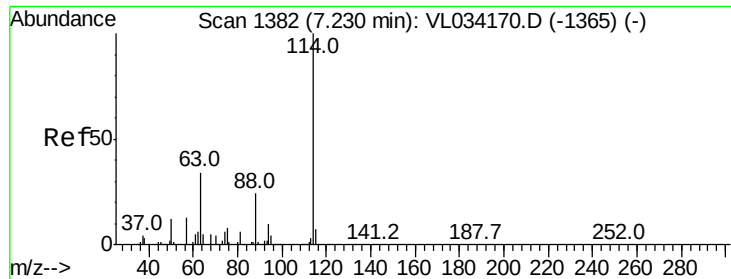
99 65.7 51.4 77.2

61 55.6 48.4 72.6



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

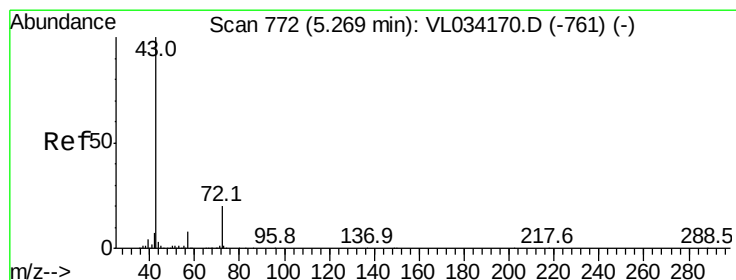
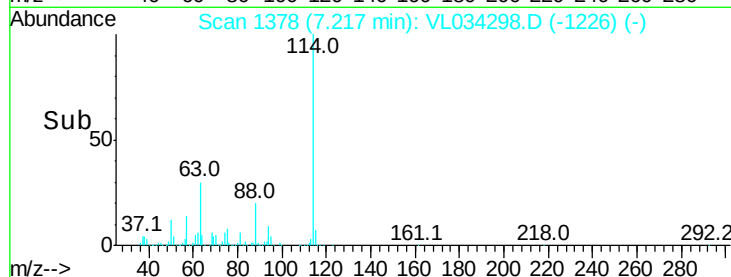
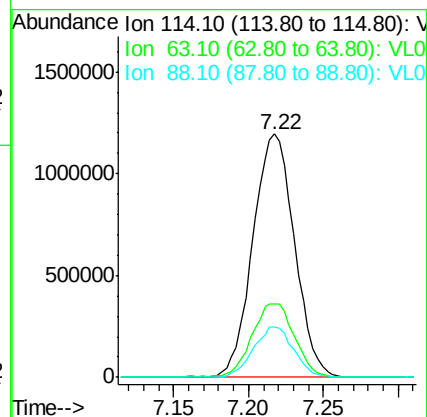
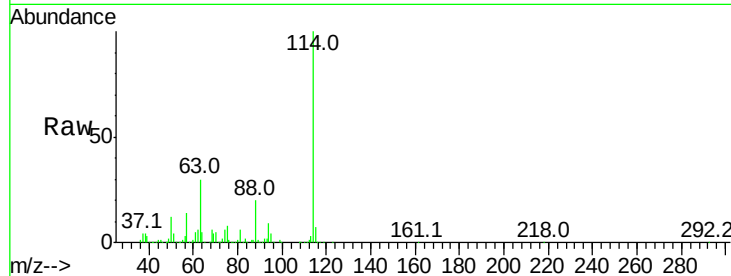




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.22 min Scan# 1378
 Delta R.T. -0.01 min
 Lab File: VL034298.D
 Acq: 16 Oct 2019 12:52

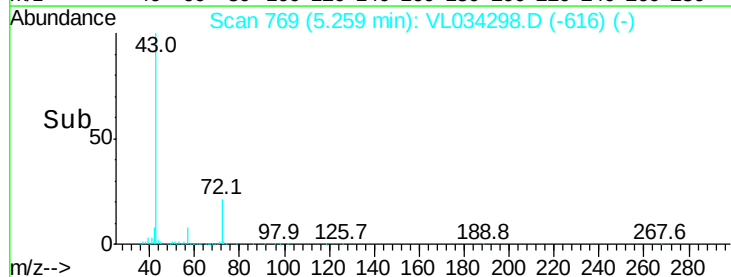
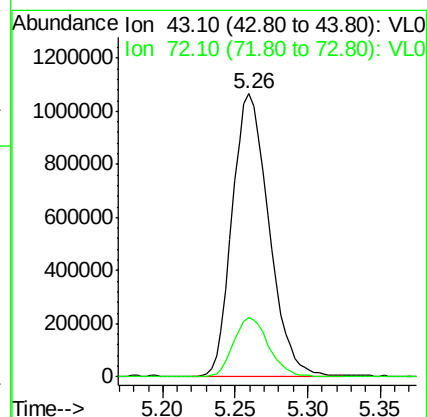
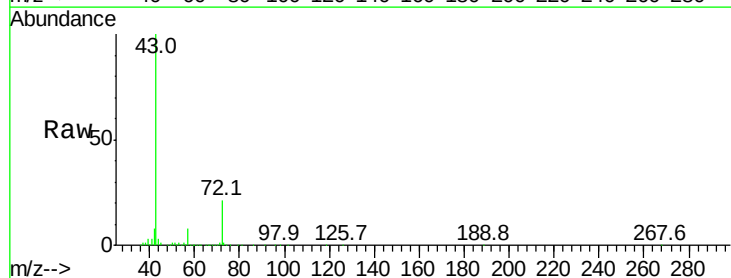
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

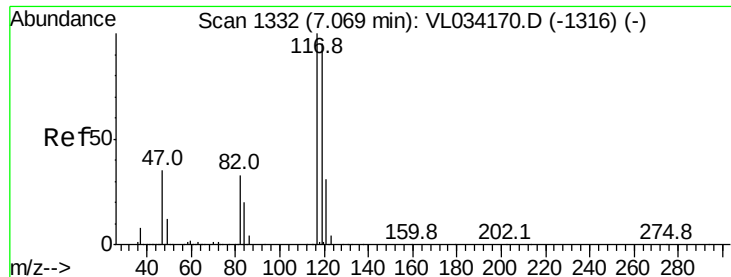
Tgt Ion:114 Resp: 2310242
 Ion Ratio Lower Upper
 114 100
 63 31.5 27.8 41.6
 88 20.0 17.1 25.7



#34
 2-Butanone
 Concen: 7.938 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. -0.01 min
 Lab File: VL034298.D
 Acq: 16 Oct 2019 12:52

Tgt Ion: 43 Resp: 1872464
 Ion Ratio Lower Upper
 43 100
 72 20.4 15.0 22.6





#35

Carbon Tetrachloride

Concen: 10.106 ppbv

RT: 7.06 min Scan# 1328

Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

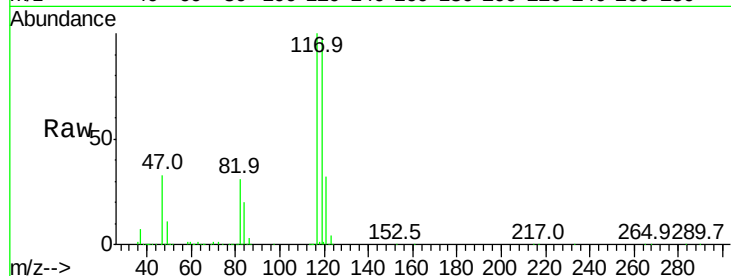
Tgt Ion:117 Resp: 1939756

Ion Ratio Lower Upper

117 100

119 96.6 75.8 113.6

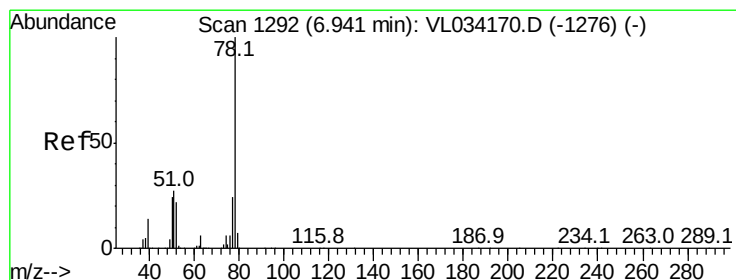
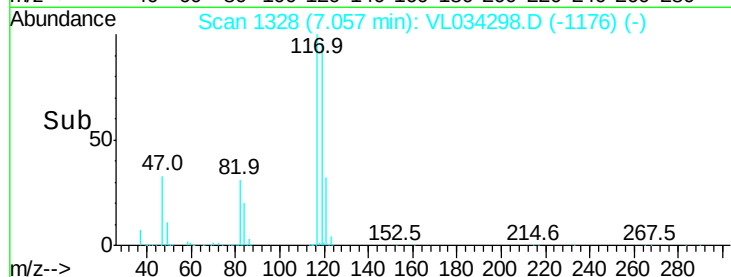
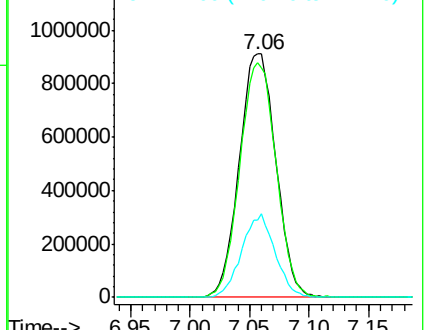
121 31.9 25.0 37.6



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: 8.634 ppbv

RT: 6.93 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

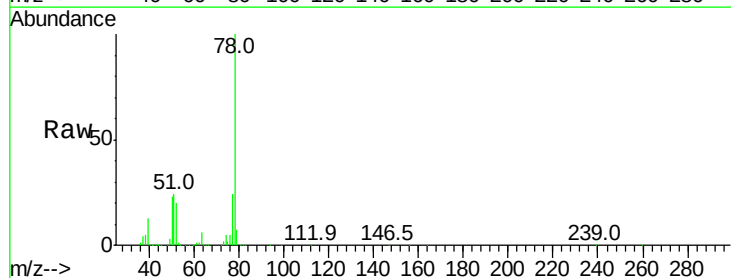
Tgt Ion: 78 Resp: 2203064

Ion Ratio Lower Upper

78 100

77 23.7 19.0 28.4

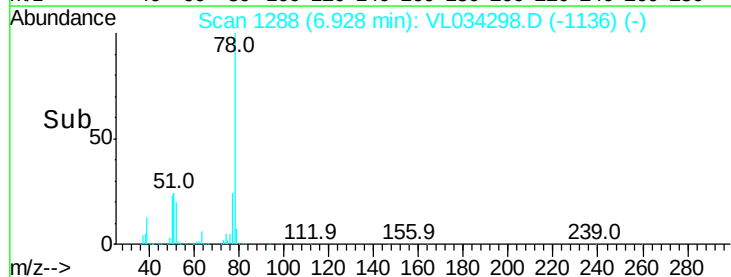
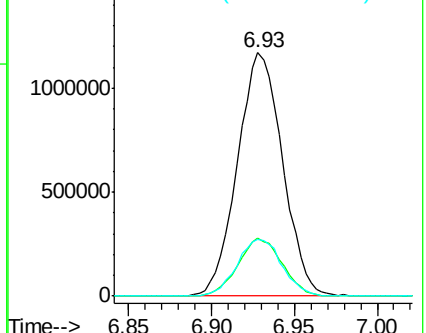
50 23.2 18.9 28.3

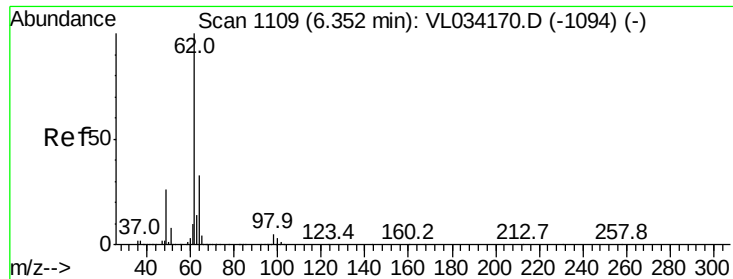


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

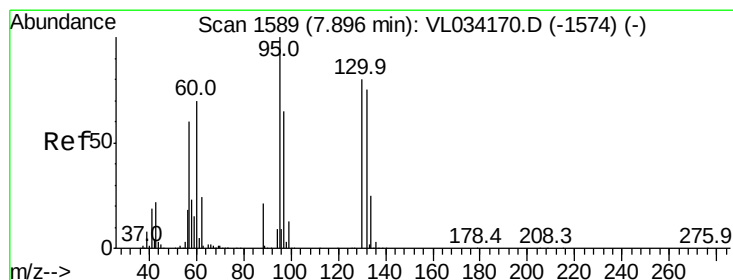
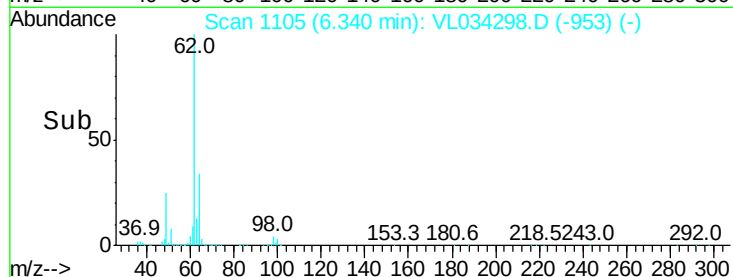
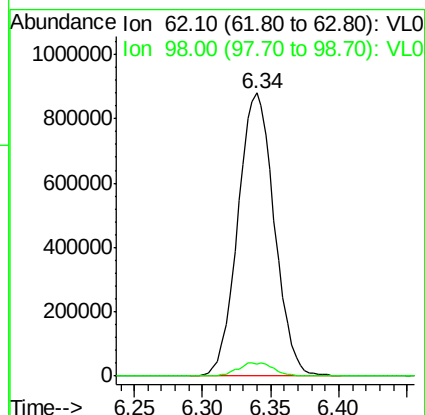
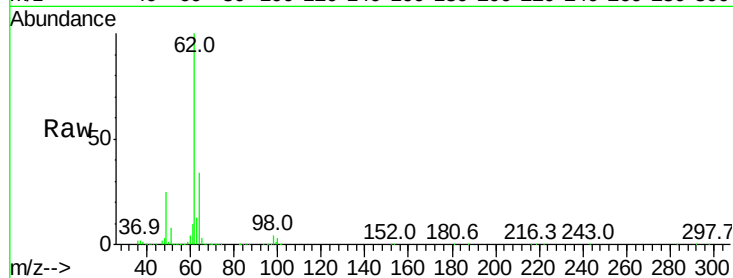




#37
1,2-Dichloroethane
Concen: 8.983 ppbv
RT: 6.34 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

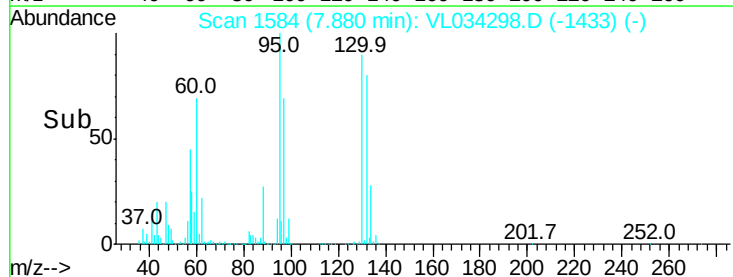
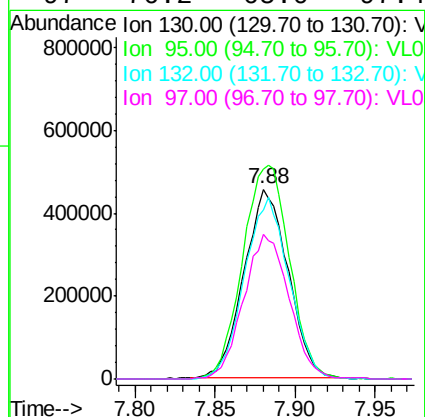
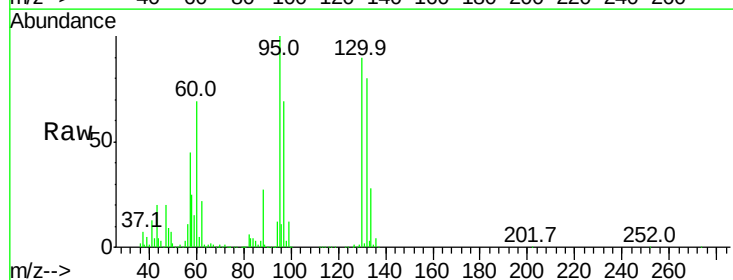
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

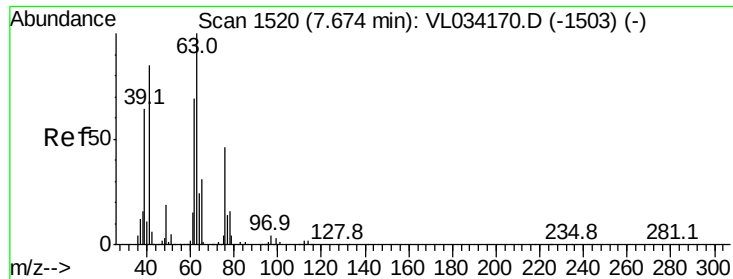
Tgt Ion: 62 Resp: 1630321
Ion Ratio Lower Upper
62 100
98 4.7 3.8 5.8



#38
Trichloroethene
Concen: 9.471 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. -0.02 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

Tgt Ion: 130 Resp: 863416
Ion Ratio Lower Upper
130 100
95 110.7 99.8 149.6
132 89.0 75.2 112.8
97 76.2 65.0 97.4





#39

1,2-Dichloropropane

Concen: 8.311 ppbv

RT: 7.65 min Scan# 1514

Delta R.T. -0.02 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

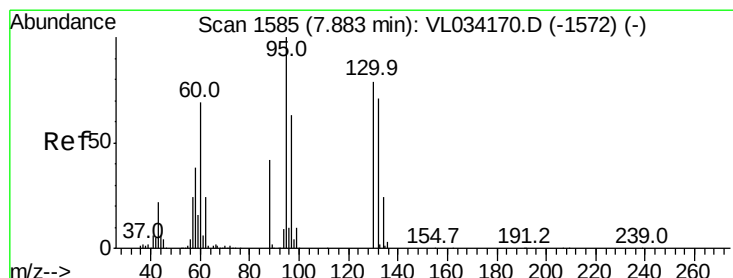
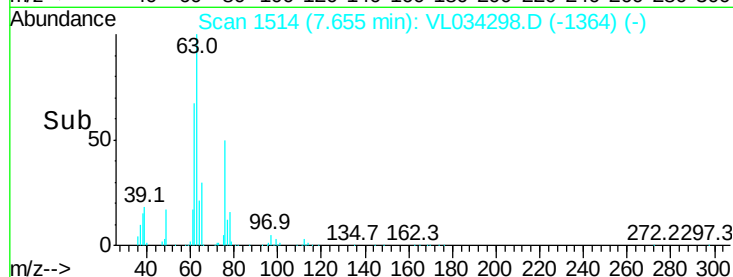
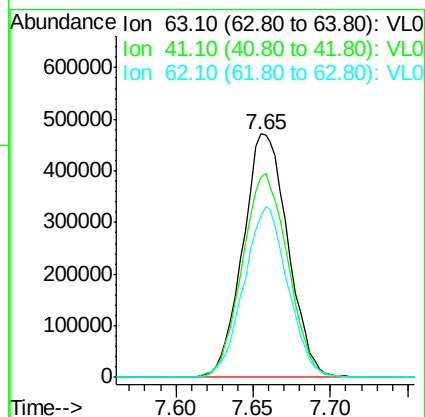
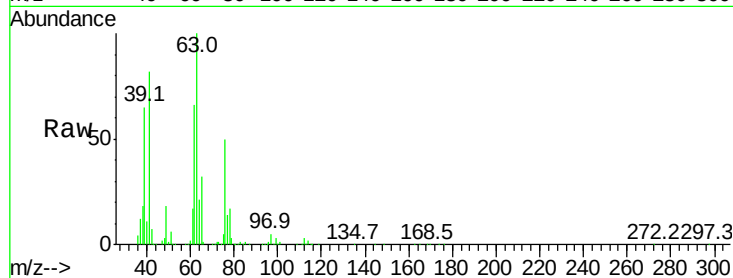
Tgt Ion: 63 Resp: 952849

Ion Ratio Lower Upper

63 100

41 82.0 68.4 102.6

62 66.3 55.4 83.2



#40

1,4-Dioxane

Concen: 9.747 ppbv

RT: 7.87 min Scan# 1581

Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Tgt Ion: 88 Resp: 361622

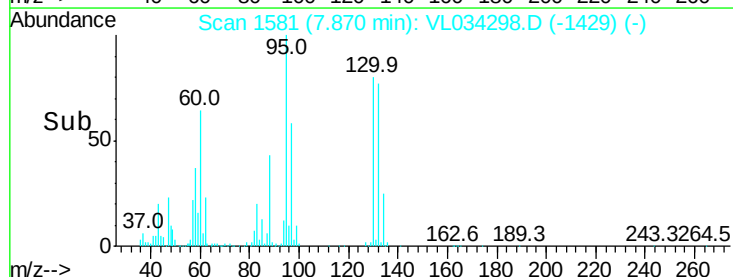
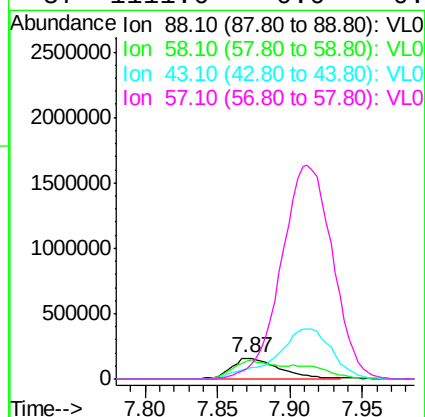
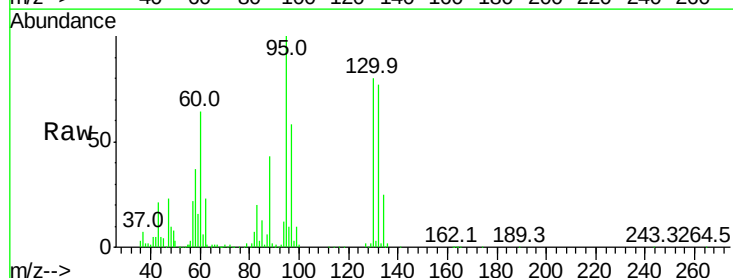
Ion Ratio Lower Upper

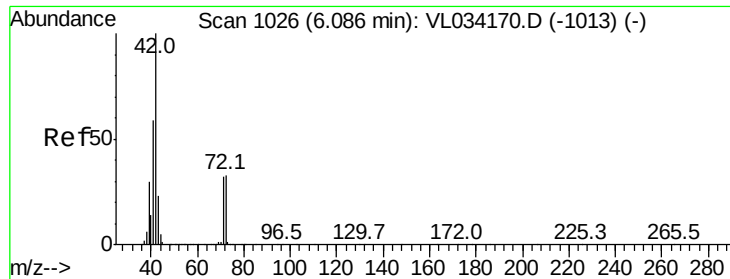
88 100

58 137.9 131.8 197.6

43 285.1 0.0 0.0#

57 1111.6 0.0 0.0#





#41

Tetrahydrofuran

Concen: 8.343 ppbv

RT: 6.07 min Scan# 1022

Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

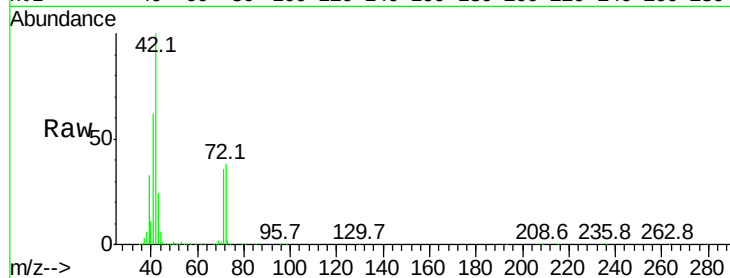
Tgt Ion: 42 Resp: 1108457

Ion Ratio Lower Upper

42 100

72 35.0 26.6 40.0

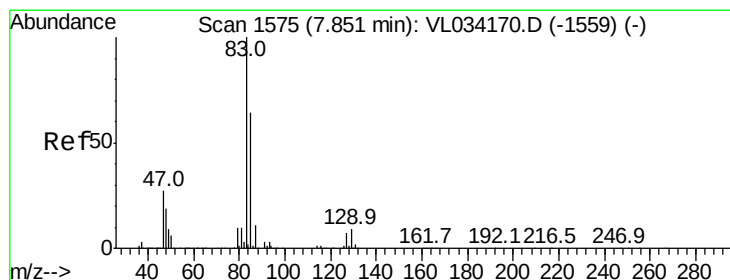
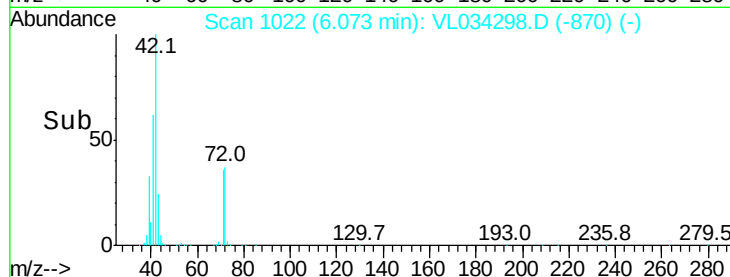
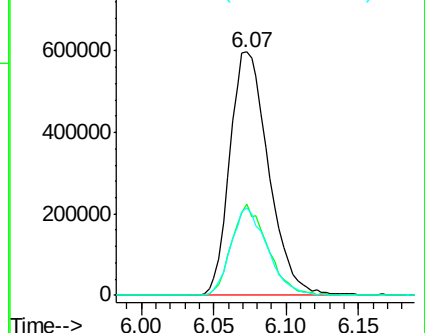
71 34.1 25.1 37.7



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.425 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

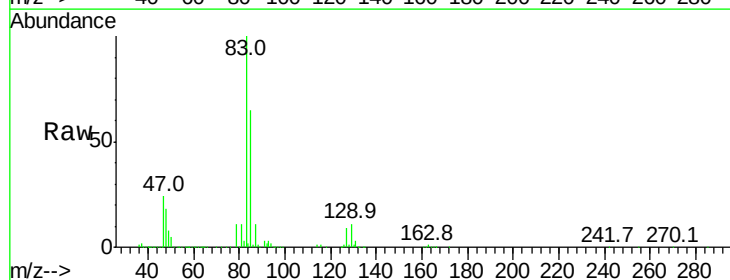
Tgt Ion: 83 Resp: 2052690

Ion Ratio Lower Upper

83 100

85 64.7 51.4 77.0

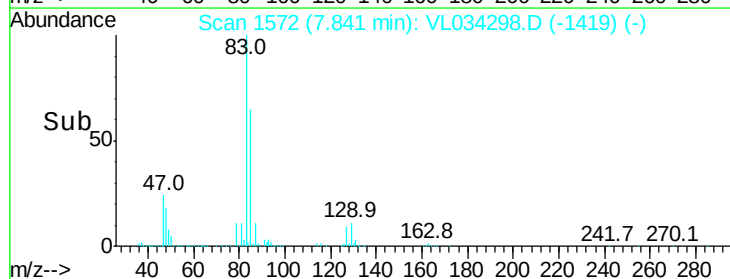
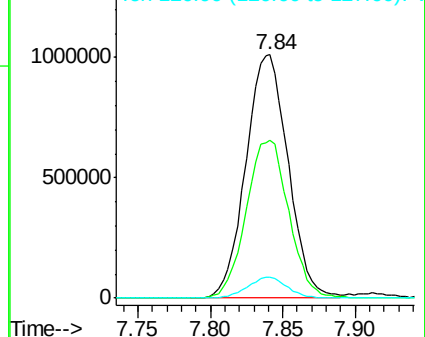
127 8.8 5.5 8.3#

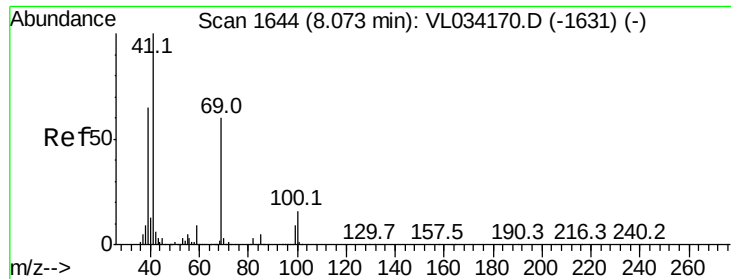


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

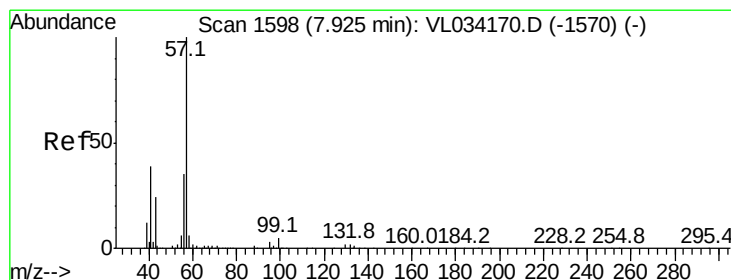
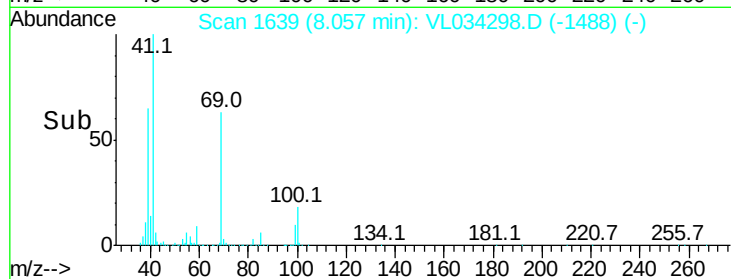
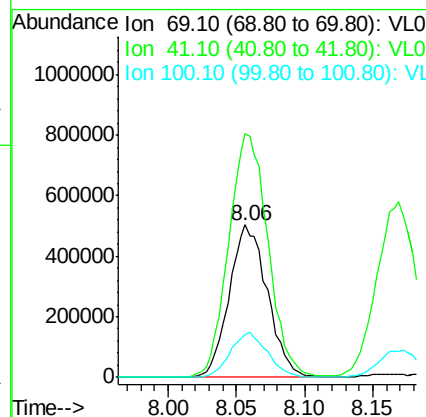
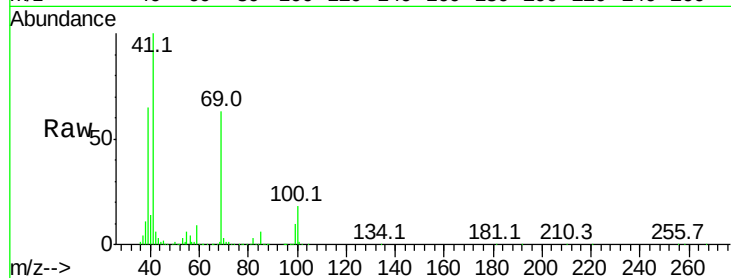




#43
Methyl Methacrylate
Concen: 9.215 ppbv
RT: 8.06 min Scan# 1639
Delta R.T. -0.02 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

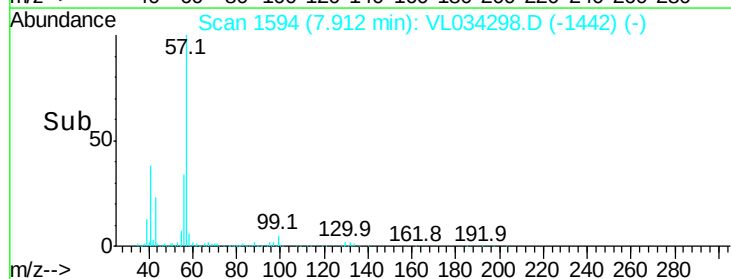
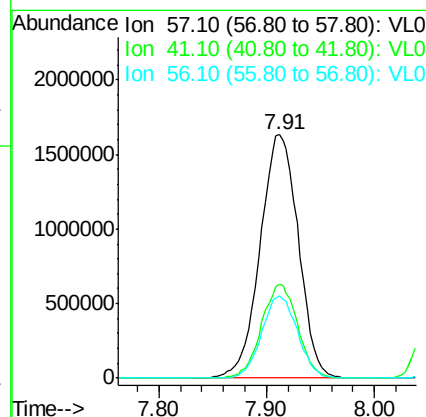
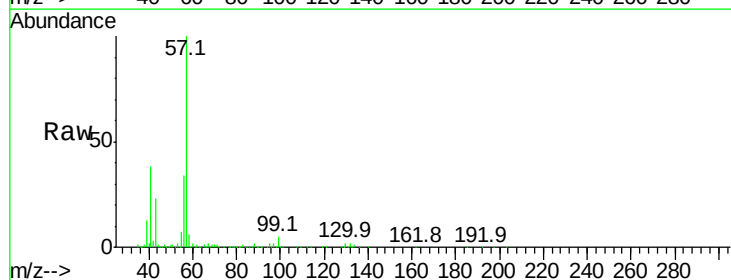
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

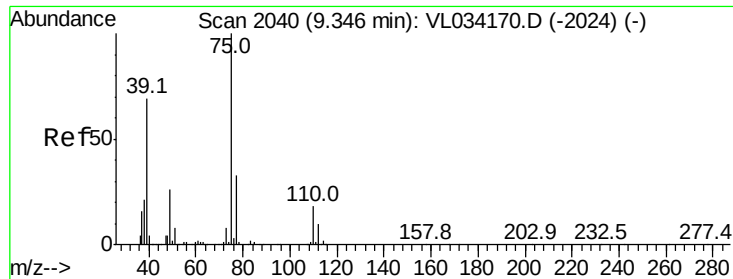
Tgt Ion: 69 Resp: 971282
Ion Ratio Lower Upper
69 100
41 165.1 140.4 210.6
100 29.0 21.9 32.9



#44
2,2,4-Trimethylpentane
Concen: 8.166 ppbv
RT: 7.91 min Scan# 1594
Delta R.T. -0.01 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

Tgt Ion: 57 Resp: 4010930
Ion Ratio Lower Upper
57 100
41 36.6 29.8 44.6
56 31.6 25.9 38.9





#45

t-1,3-Dichloropropene

Concen: 10.571 ppbv

RT: 9.34 min Scan# 2037

Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Instrument :

MSVOA_L

ClientSampleId :

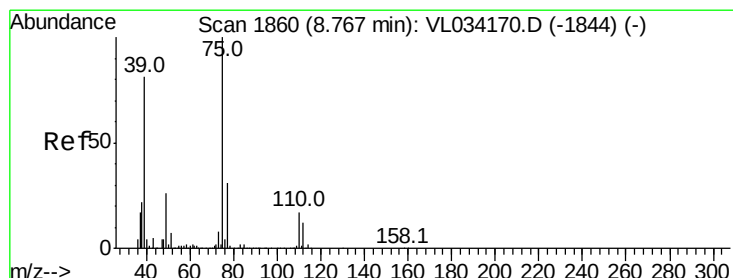
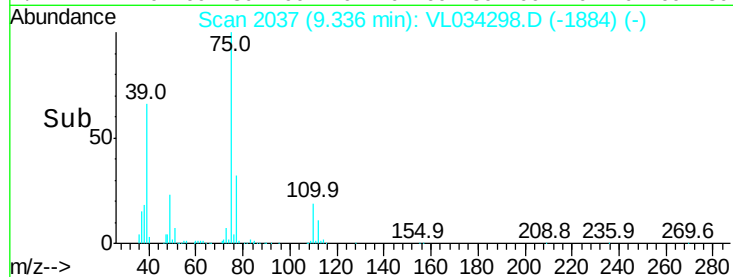
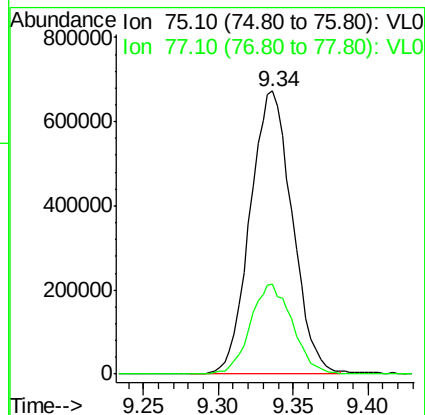
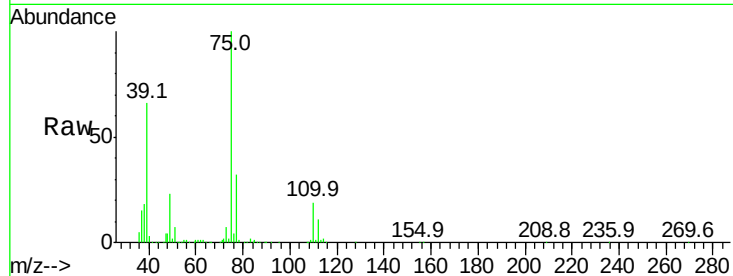
VSTDICCC010

Tgt Ion: 75 Resp: 1317390

Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.2



#46

cis-1,3-Dichloropropene

Concen: 9.823 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

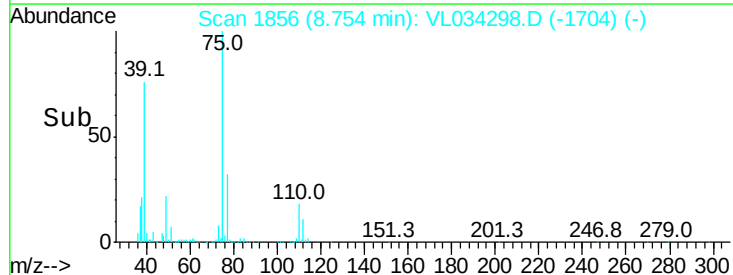
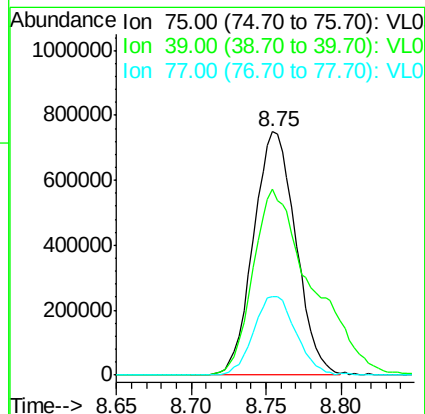
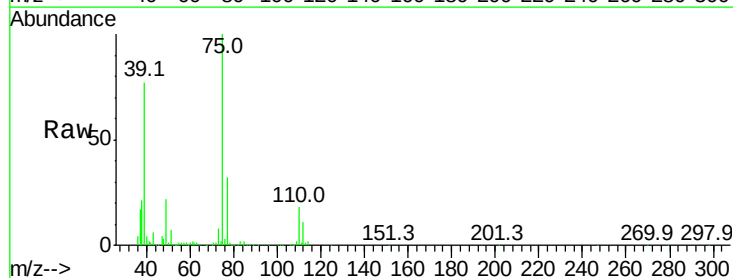
Tgt Ion: 75 Resp: 1472647

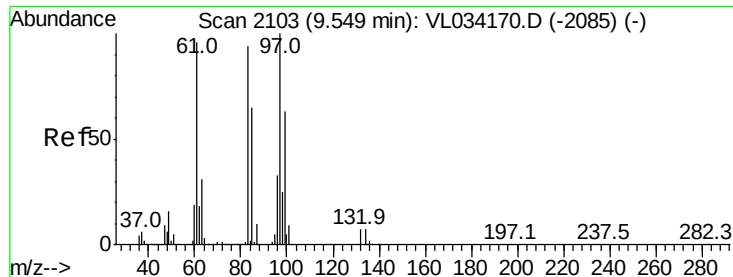
Ion Ratio Lower Upper

75 100

39 76.5 65.0 97.4

77 32.4 24.5 36.7

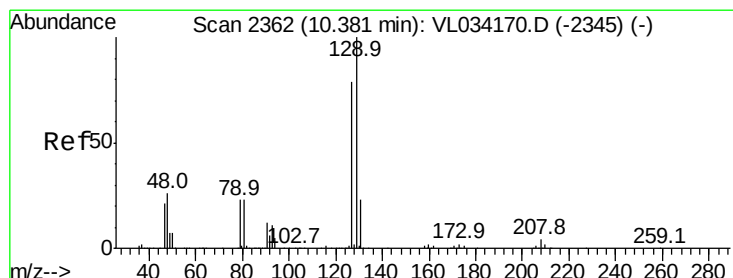
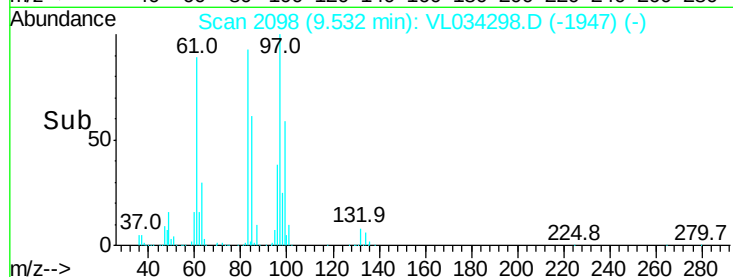
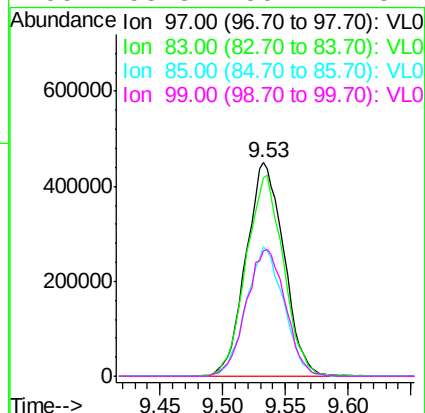
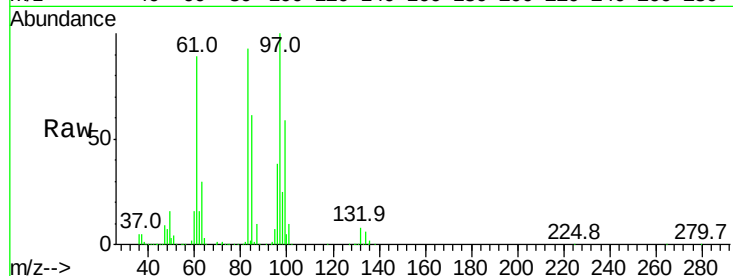




#47
 1,1,2-Trichloroethane
 Concen: 9.208 ppbv
 RT: 9.53 min Scan# 2098
 Delta R.T. -0.02 min
 Lab File: VL034298.D
 Acq: 16 Oct 2019 12:52

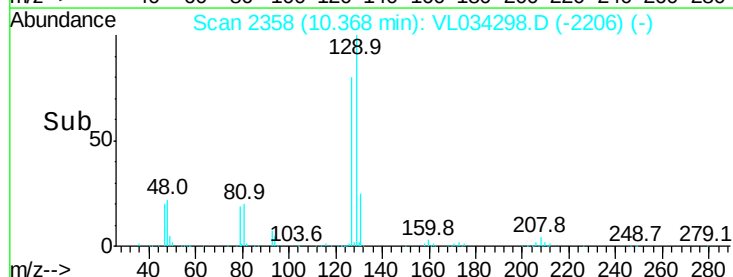
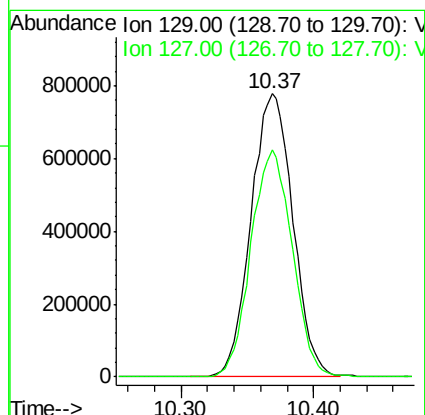
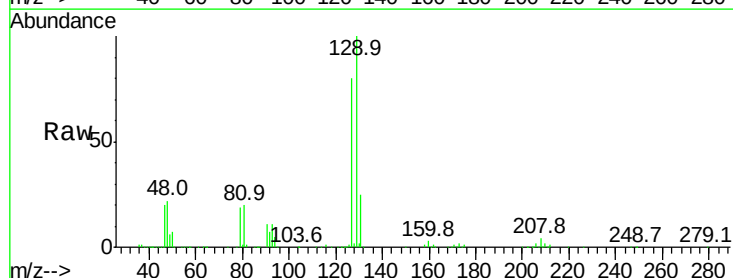
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

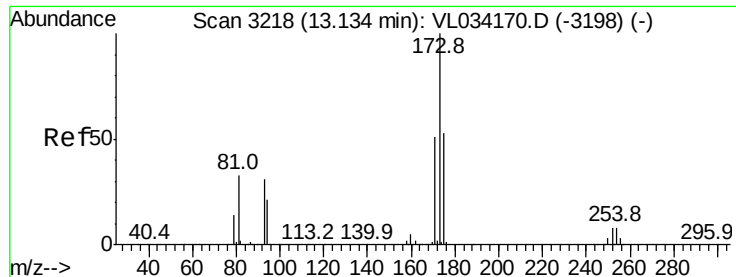
Tgt Ion:	97	Resp:	947896
Ion	Ratio	Lower	Upper
97	100		
83	92.7	75.3	112.9
85	60.8	52.1	78.1
99	58.8	50.2	75.2



#48
 Dibromochloromethane
 Concen: 10.456 ppbv
 RT: 10.37 min Scan# 2358
 Delta R.T. -0.01 min
 Lab File: VL034298.D
 Acq: 16 Oct 2019 12:52

Tgt Ion:	129	Resp:	1706084
Ion	Ratio	Lower	Upper
129	100		
127	79.4	39.2	117.6





#49

Bromoform

Concen: 11.795 ppbv

RT: 13.12 min Scan# 3213

Delta R.T. -0.02 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

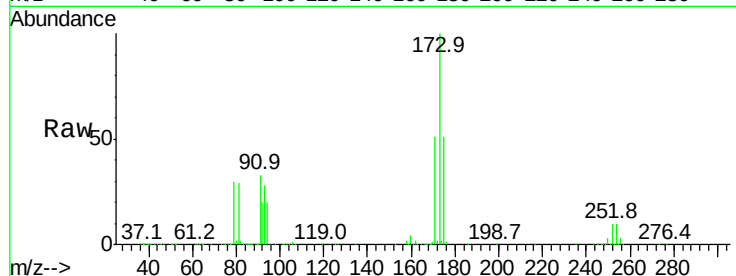
Tgt Ion:173 Resp: 1557384

Ion Ratio Lower Upper

173 100

175 49.7 40.3 60.5

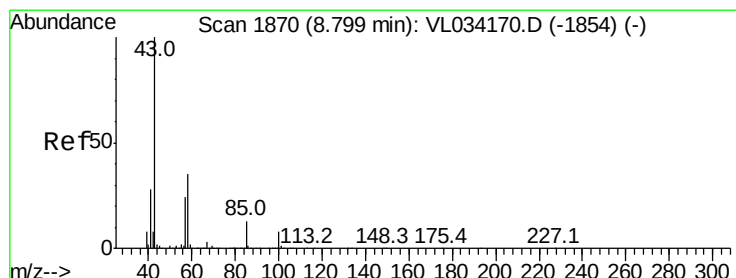
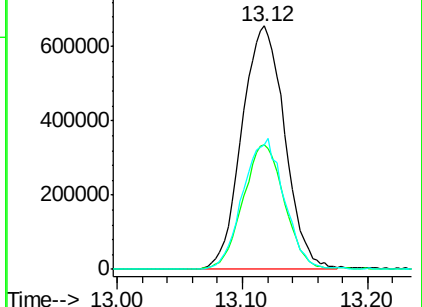
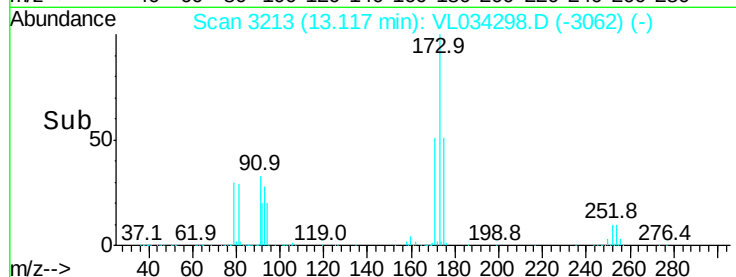
171 52.2 42.0 63.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 8.127 ppbv

RT: 8.79 min Scan# 1867

Delta R.T. -0.01 min

Lab File: VL034298.D

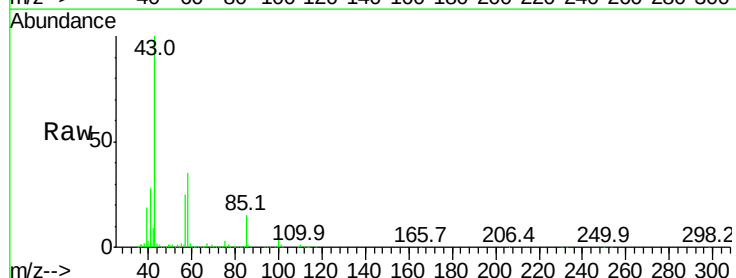
Acq: 16 Oct 2019 12:52

Tgt Ion: 43 Resp: 2789857

Ion Ratio Lower Upper

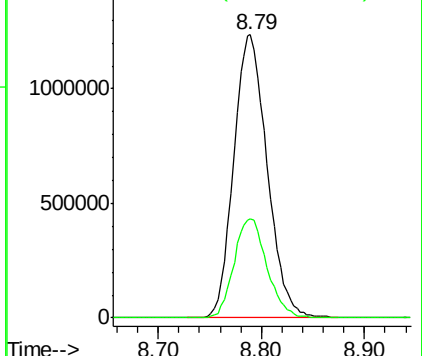
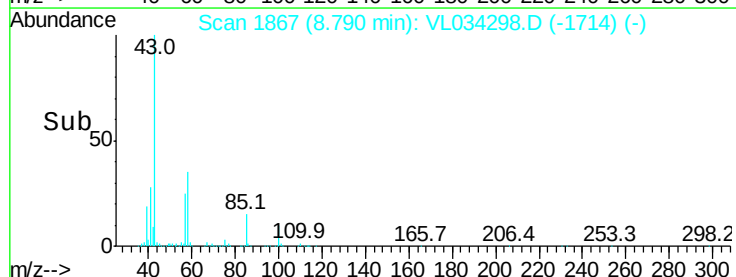
43 100

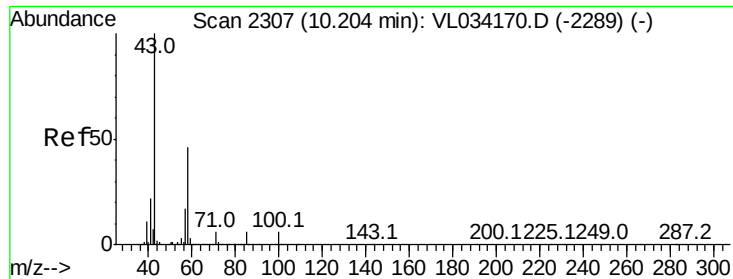
58 34.5 27.6 41.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

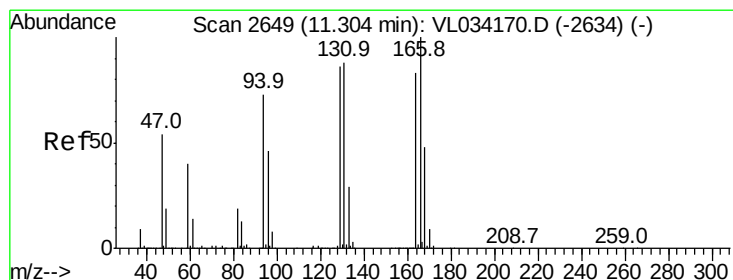
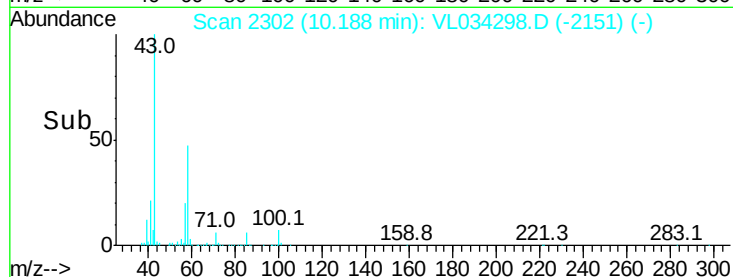
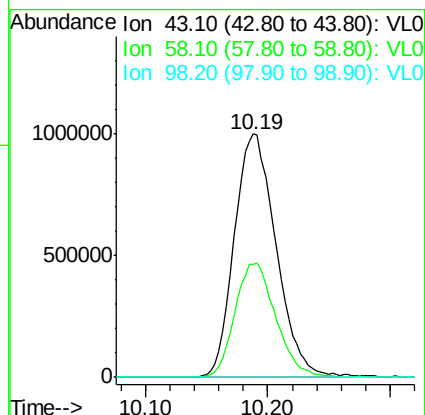
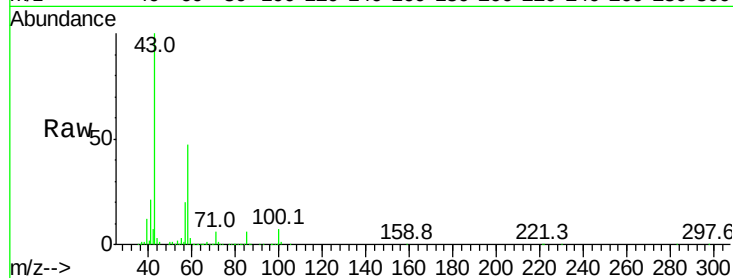




#51
2-Hexanone
Concen: 8.209 ppbv
RT: 10.19 min Scan# 2302
Delta R.T. -0.02 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

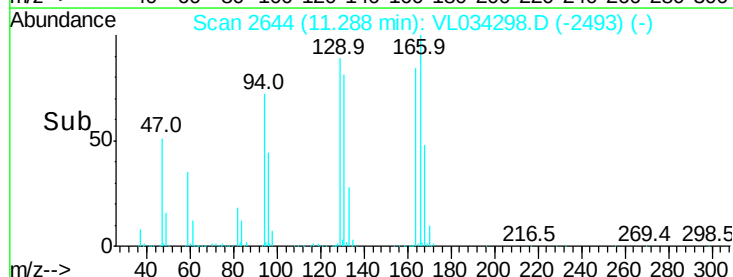
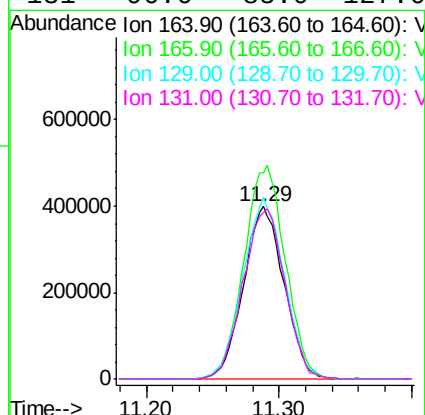
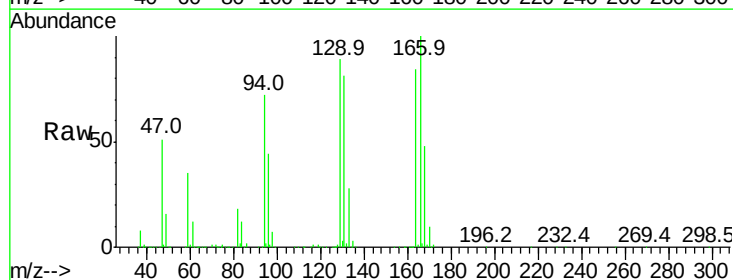
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

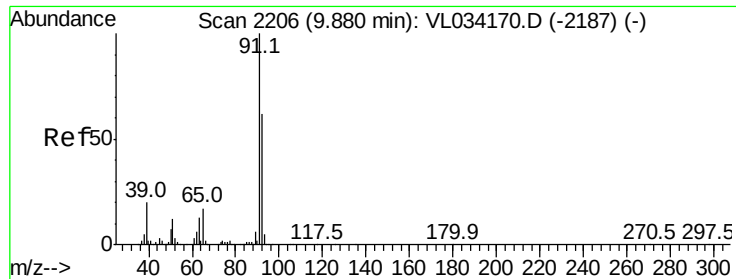
Tgt Ion: 43 Resp: 2365042
Ion Ratio Lower Upper
43 100
58 46.3 36.2 54.4
98 0.2 0.2 0.2



#52
Tetrachloroethene
Concen: 10.088 ppbv
RT: 11.29 min Scan# 2644
Delta R.T. -0.02 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

Tgt Ion: 164 Resp: 850416
Ion Ratio Lower Upper
164 100
166 119.1 96.7 145.1
129 105.6 82.8 124.2
131 96.6 85.0 127.6





#53

Toluene

Concen: 9.185 ppbv

RT: 9.86 min Scan# 2201

Delta R.T. -0.02 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Instrument :

MSVOA_L

ClientSampleId :

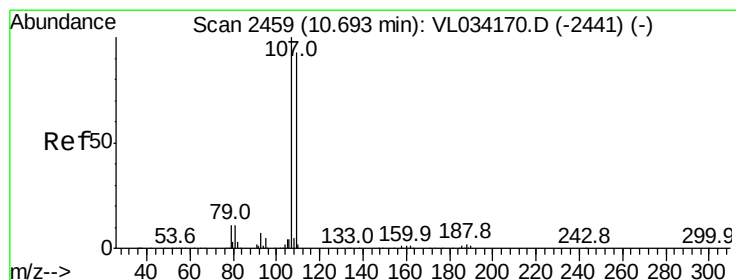
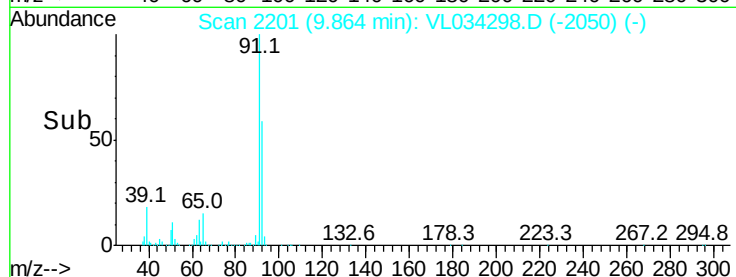
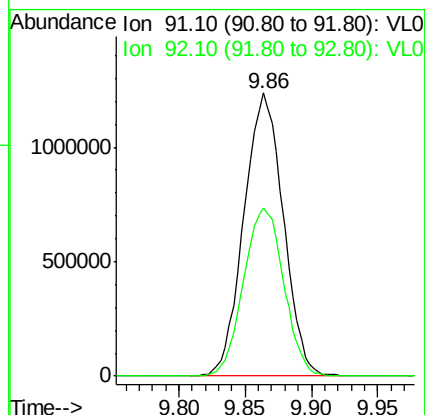
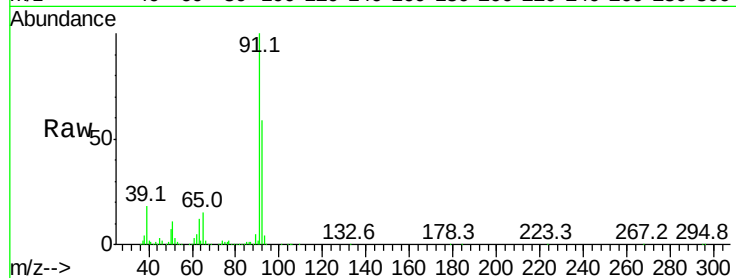
VSTDICCC010

Tgt Ion: 91 Resp: 2561167

Ion Ratio Lower Upper

91 100

92 60.5 49.0 73.6



#54

1,2-Dibromoethane

Concen: 9.368 ppbv

RT: 10.67 min Scan# 2453

Delta R.T. -0.02 min

Lab File: VL034298.D

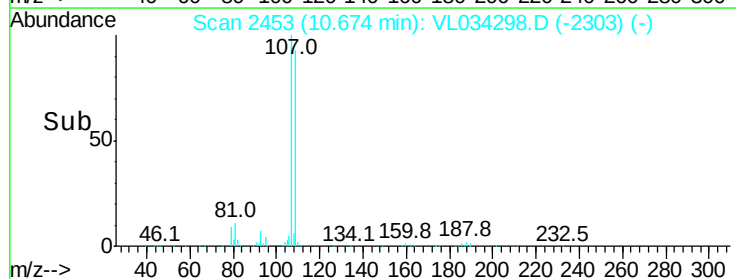
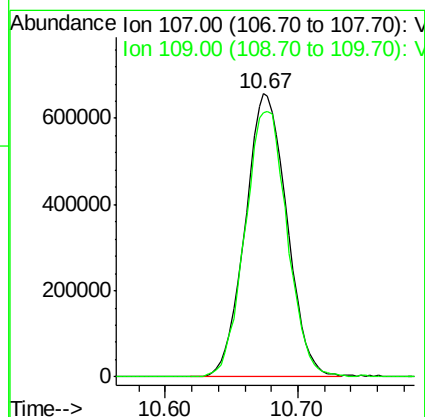
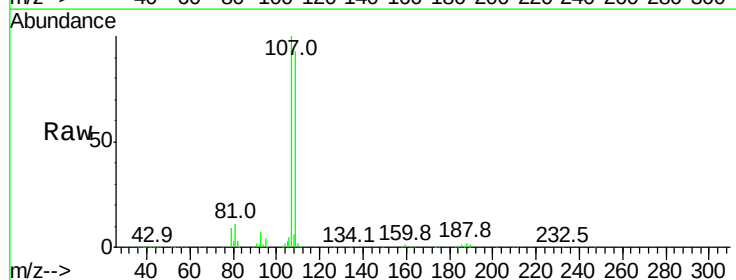
Acq: 16 Oct 2019 12:52

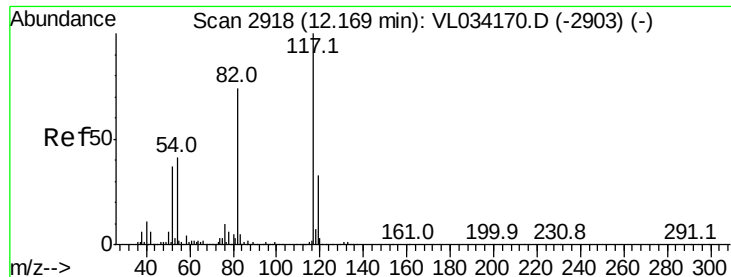
Tgt Ion: 107 Resp: 1434150

Ion Ratio Lower Upper

107 100

109 93.3 74.5 111.7

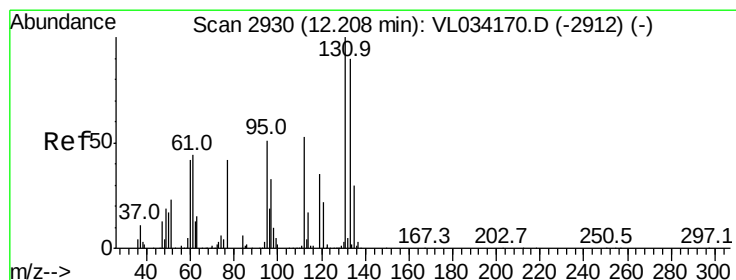
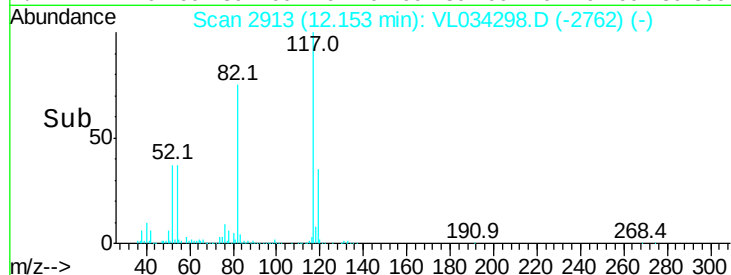
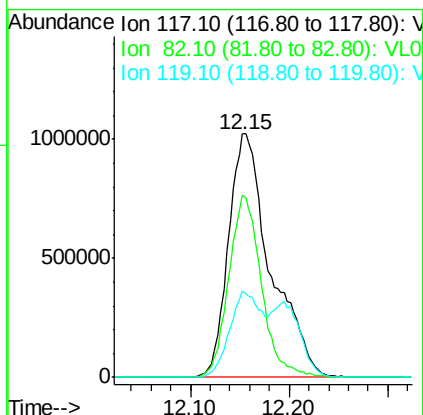
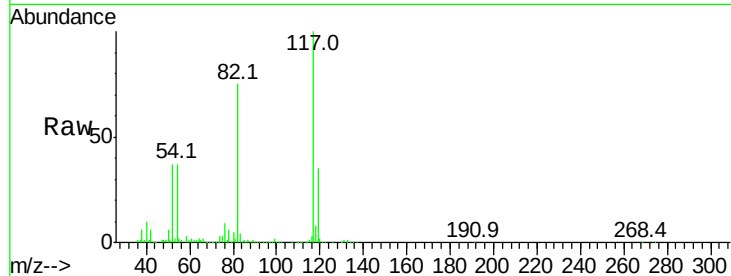




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.02 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

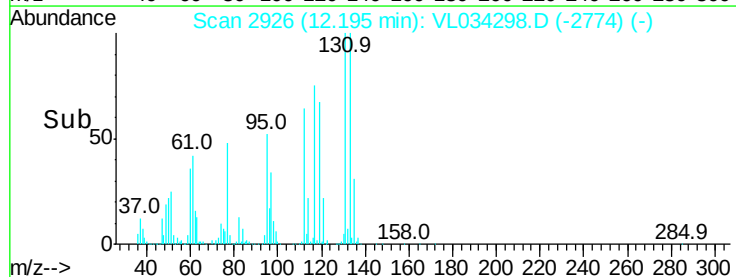
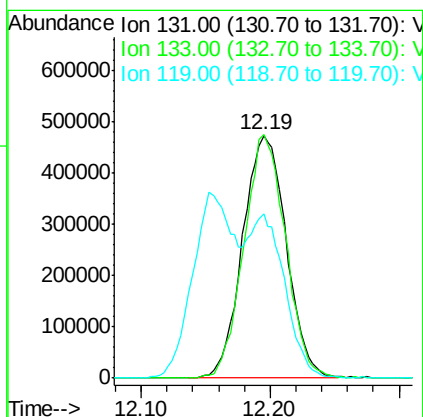
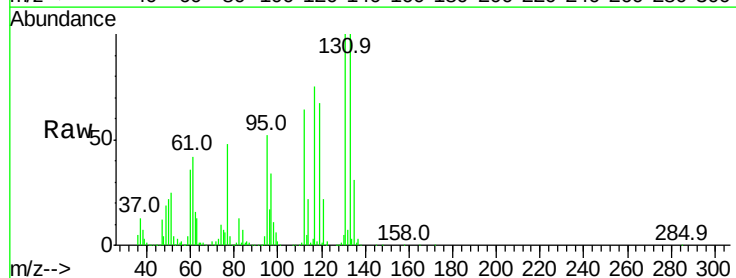
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

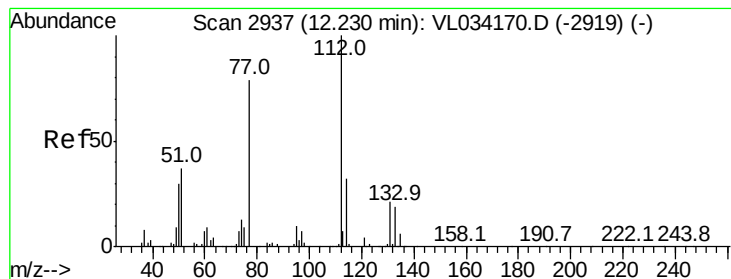
Tgt Ion:117 Resp: 3045485
Ion Ratio Lower Upper
117 100
82 57.9 58.2 87.4#
119 27.6 23.7 35.5



#56
1,1,1,2-Tetrachloroethane
Concen: 8.178 ppbv
RT: 12.19 min Scan# 2926
Delta R.T. -0.01 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

Tgt Ion:131 Resp: 1110679
Ion Ratio Lower Upper
131 100
133 96.4 75.1 112.7
119 61.2 47.4 71.0





#57

Chlorobenzene

Concen: 7.360 ppbv

RT: 12.22 min Scan# 2933

Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

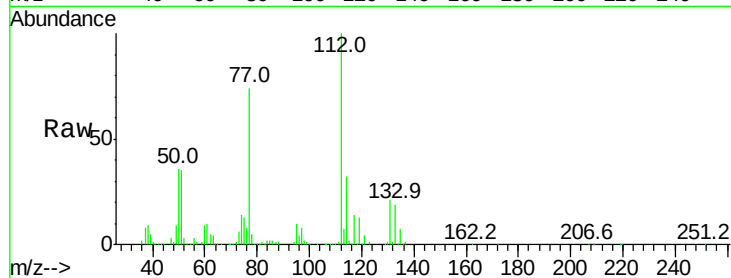
Tgt Ion: 112 Resp: 1951633

Ion Ratio Lower Upper

112 100

77 73.3 64.3 96.5

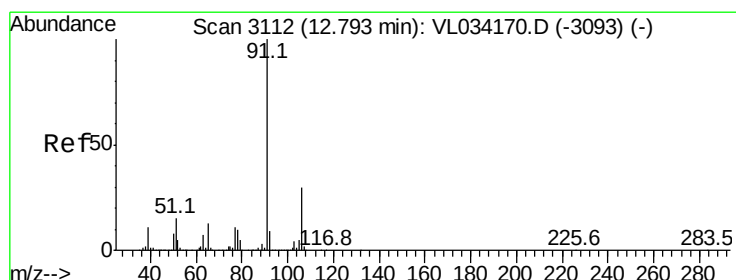
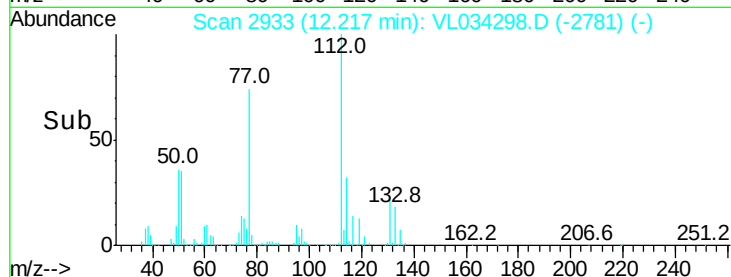
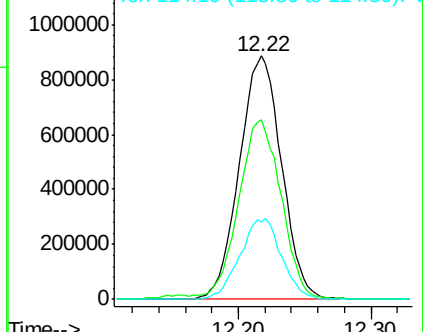
114 31.8 28.9 35.3



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 7.148 ppbv

RT: 12.78 min Scan# 3108

Delta R.T. -0.01 min

Lab File: VL034298.D

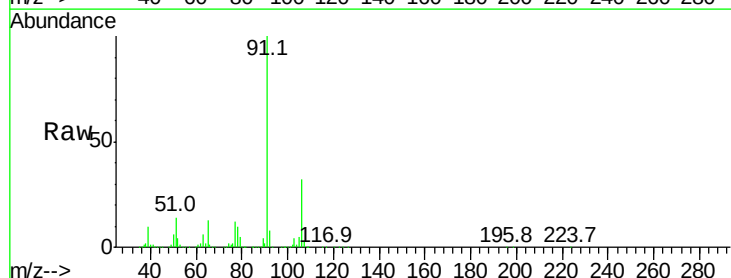
Acq: 16 Oct 2019 12:52

Tgt Ion: 91 Resp: 3512503

Ion Ratio Lower Upper

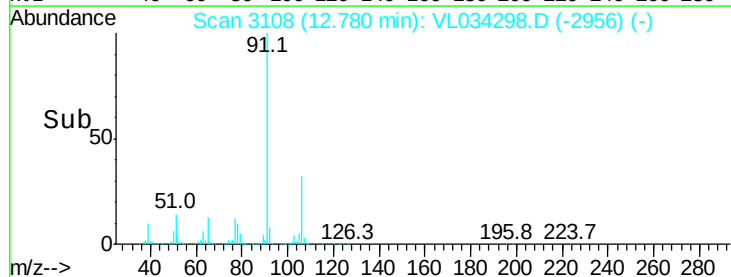
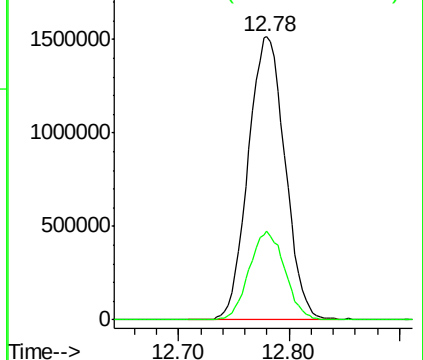
91 100

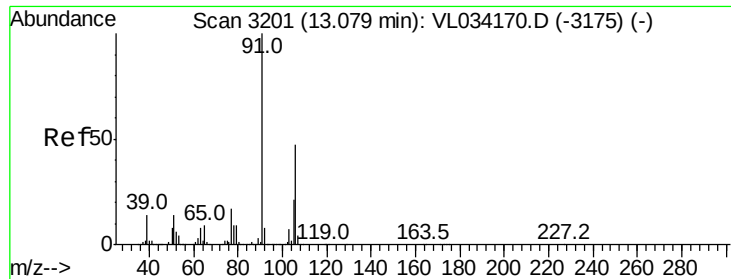
106 31.6 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

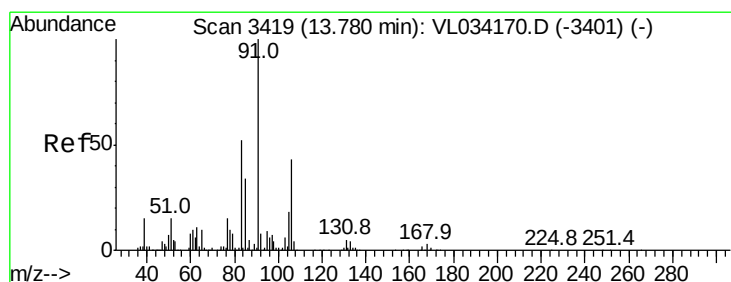
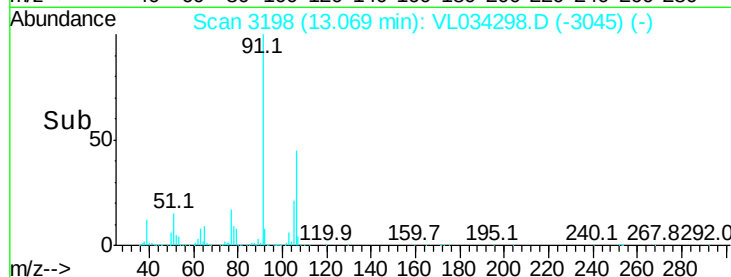
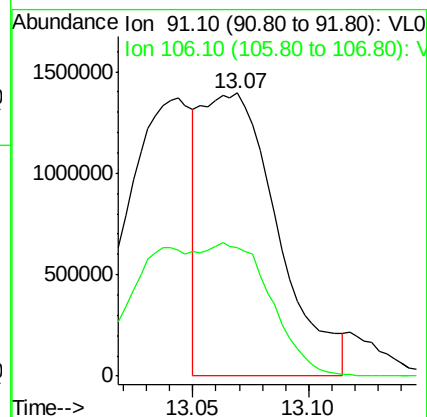
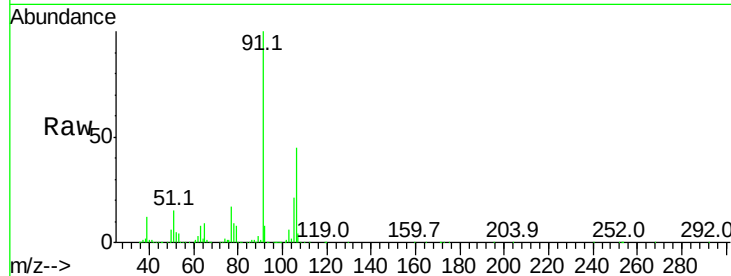




#59
m/p-Xylene
Concen: 7.780 ppbv
RT: 13.07 min Scan# 3198
Delta R.T. -0.01 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

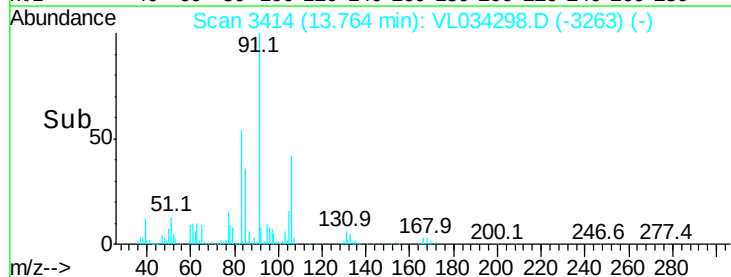
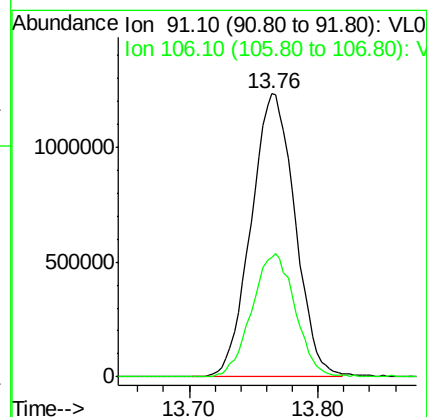
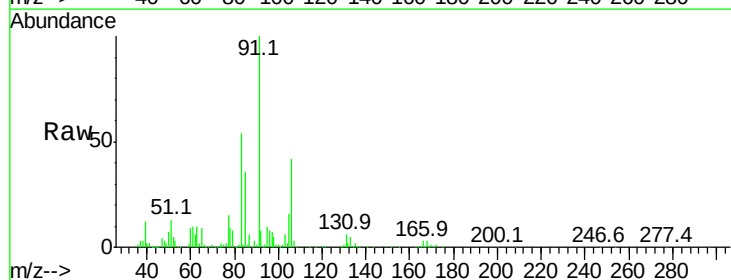
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

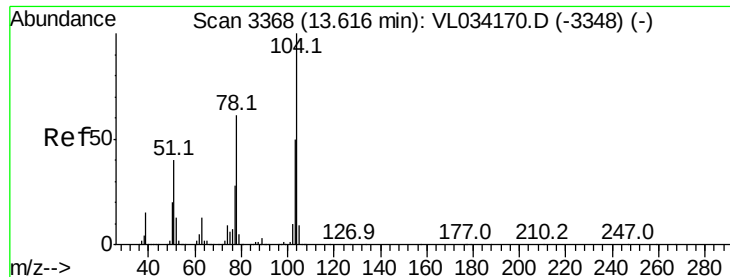
Tgt Ion: 91 Resp: 3166626
Ion Ratio Lower Upper
91 100
106 82.3 35.5 53.3#



#60
o-Xylene
Concen: 7.174 ppbv
RT: 13.76 min Scan# 3414
Delta R.T. -0.02 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

Tgt Ion: 91 Resp: 2919700
Ion Ratio Lower Upper
91 100
106 43.1 21.2 63.6





#61

Styrene

Concen: 7.582 ppbv

RT: 13.60 min Scan# 3363

Delta R.T. -0.02 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

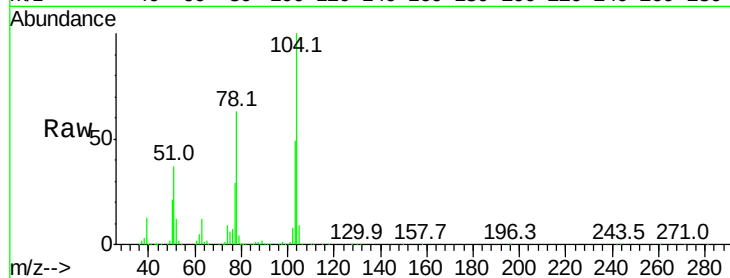
Tgt Ion:104 Resp: 2210429

Ion Ratio Lower Upper

104 100

78 59.8 49.7 74.5

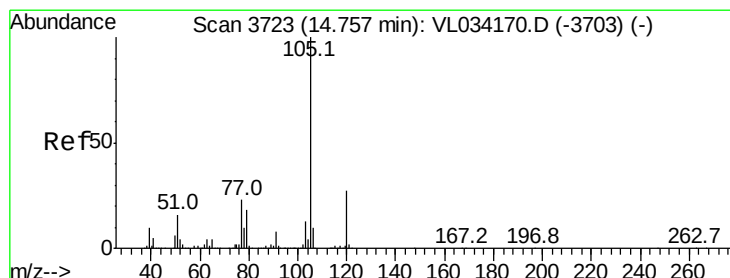
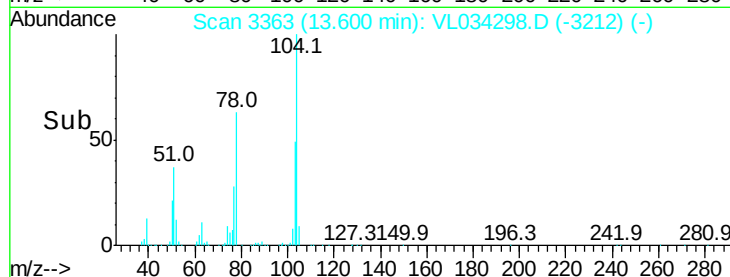
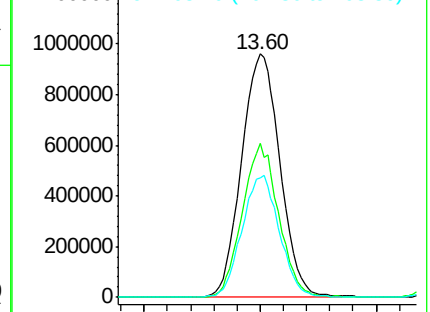
103 48.8 38.4 57.6



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: 7.259 ppbv

RT: 14.74 min Scan# 3719

Delta R.T. -0.01 min

Lab File: VL034298.D

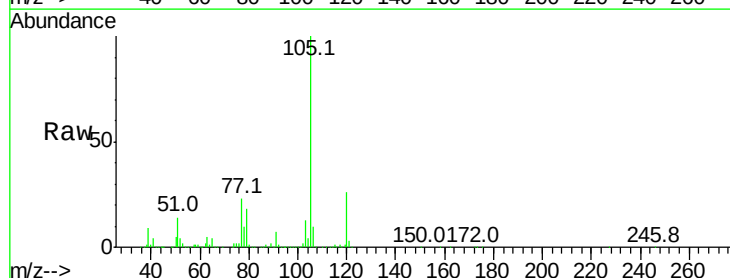
Acq: 16 Oct 2019 12:52

Tgt Ion:105 Resp: 3824150

Ion Ratio Lower Upper

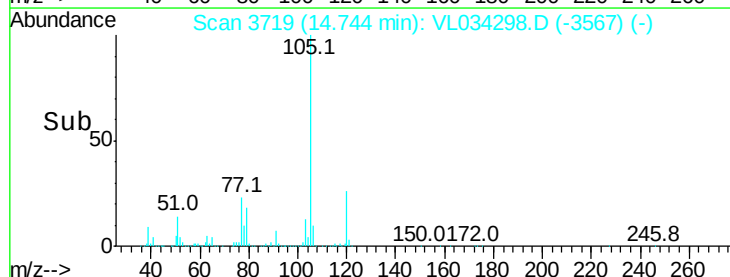
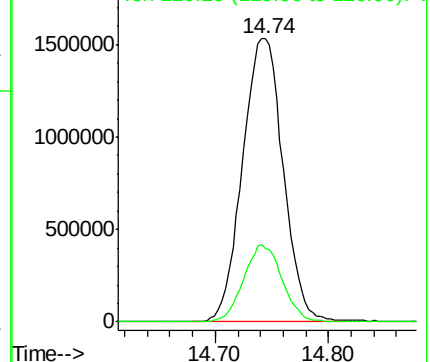
105 100

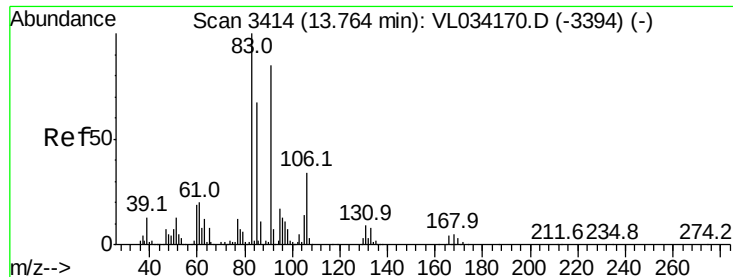
120 26.0 20.7 31.1



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: 6.217 ppbv

RT: 13.75 min Scan# 3411

Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Instrument :

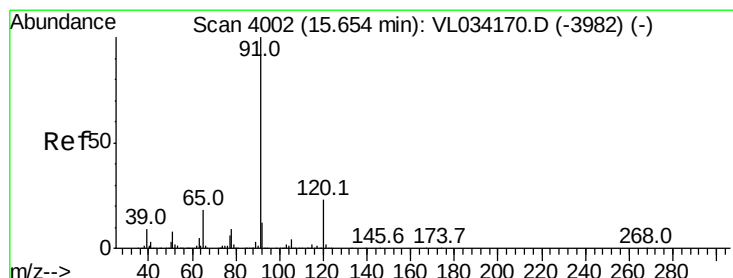
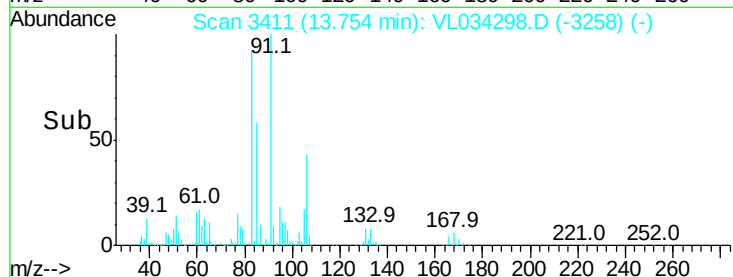
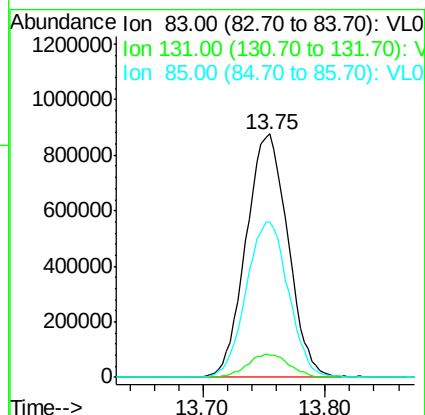
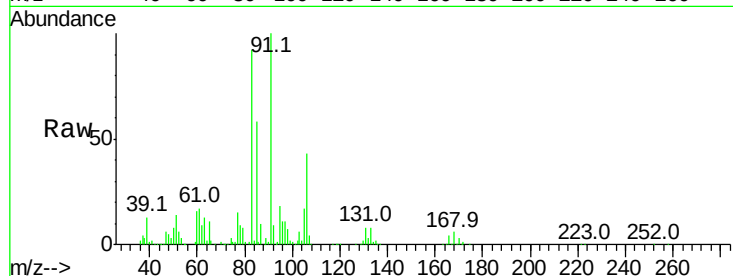
MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 83 Resp: 2074939

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.3	12.8
85	64.9	32.8	98.4



#64

n-propylbenzene

Concen: 7.543 ppbv

RT: 15.64 min Scan# 3996

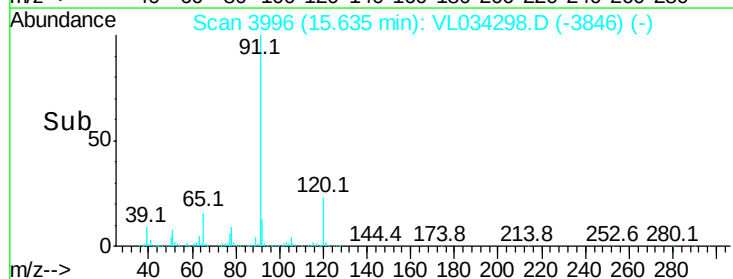
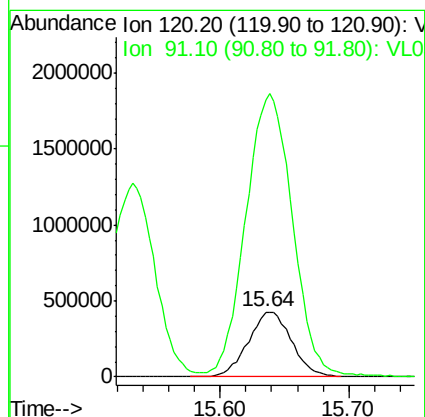
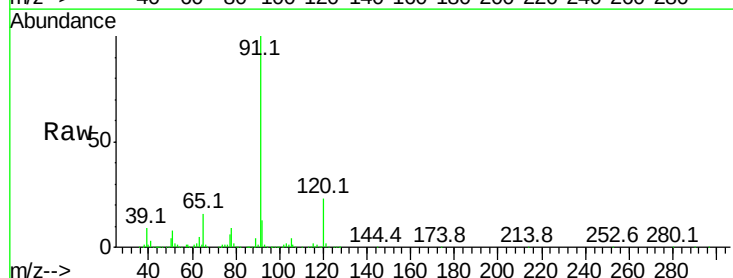
Delta R.T. -0.02 min

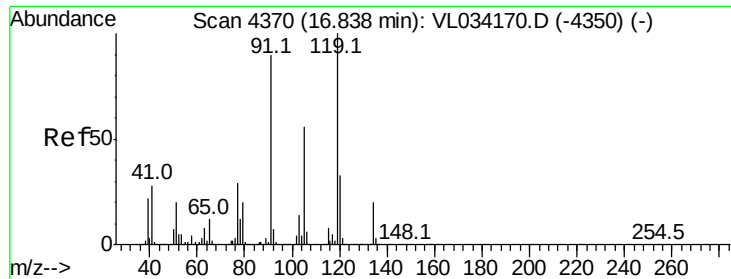
Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Tgt Ion: 120 Resp: 1005437

Ion	Ratio	Lower	Upper
120	100		
91	468.6	378.2	567.2





#65

tert-Butylbenzene

Concen: 7.447 ppbv

RT: 16.82 min Scan# 4366

Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

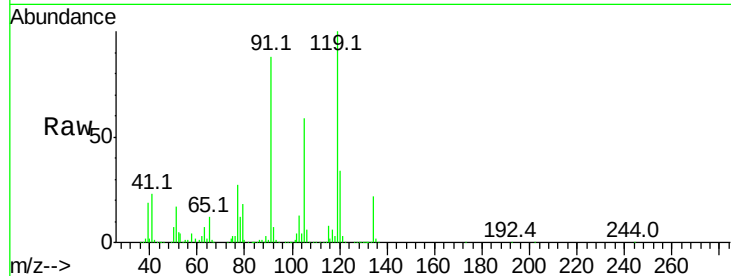
Tgt Ion:119 Resp: 3428330

Ion Ratio Lower Upper

119 100

91 89.2 74.9 112.3

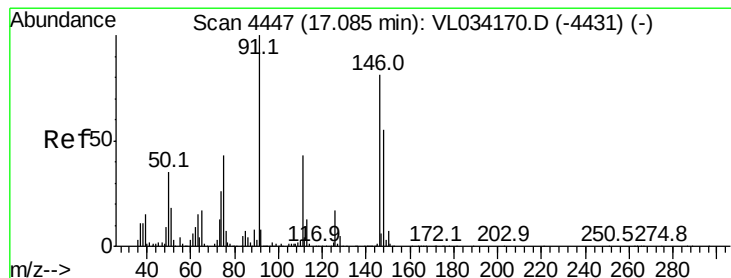
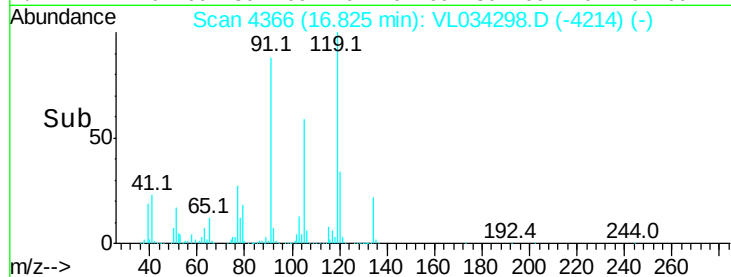
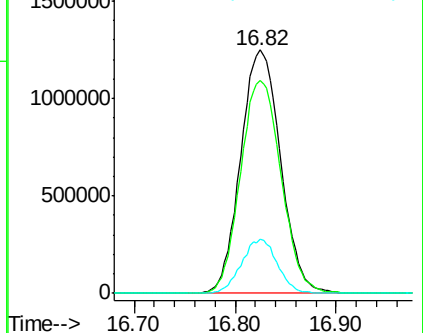
134 19.9 15.8 23.6



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 10.597 ppbv

RT: 17.07 min Scan# 4443

Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

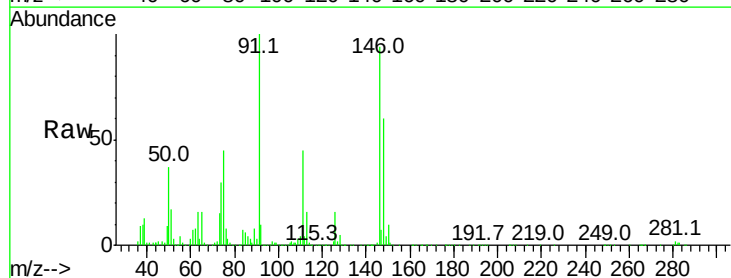
Tgt Ion: 91 Resp: 1725836

Ion Ratio Lower Upper

91 100

126 16.1 12.6 19.0

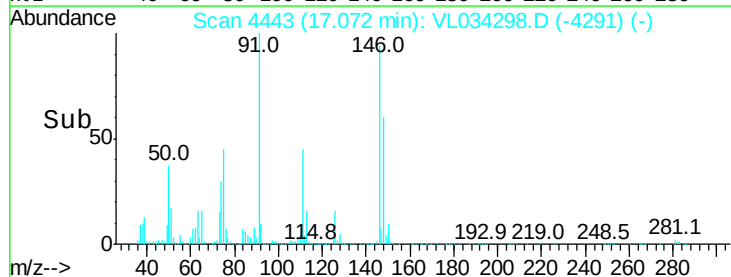
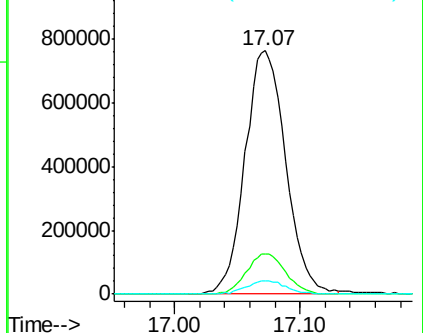
128 5.4 4.0 6.0

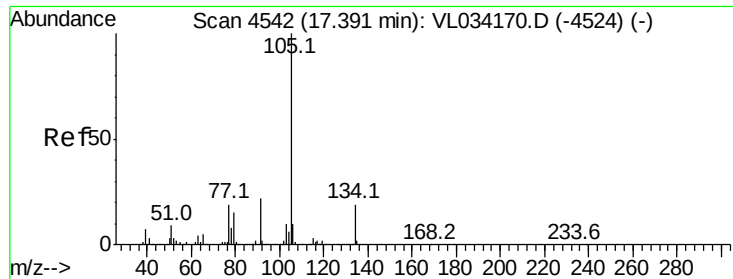


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.166 ppbv

RT: 17.37 min Scan# 4537

Delta R.T. -0.02 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Instrument :

MSVOA_L

ClientSampleId :

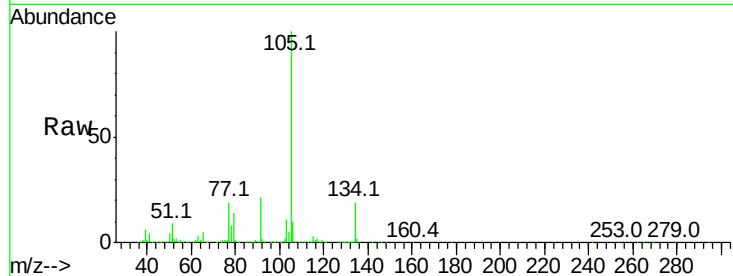
VSTDICCC010

Tgt Ion:105 Resp: 4717059

Ion Ratio Lower Upper

105 100

134 19.2 14.6 22.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.37

2000000

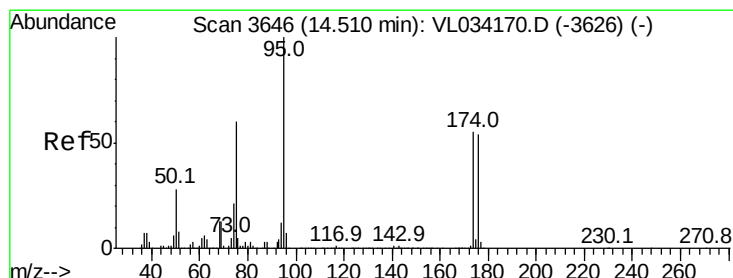
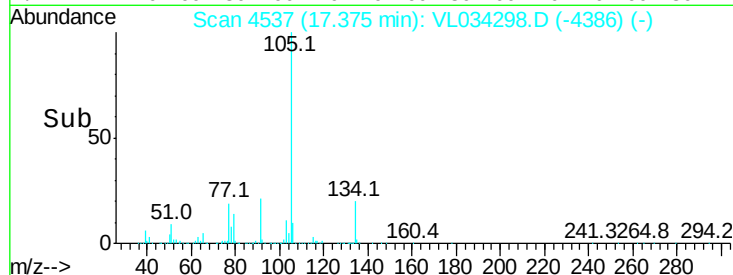
1500000

1000000

500000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 7.820 ppbv

RT: 14.49 min Scan# 3640

Delta R.T. -0.02 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

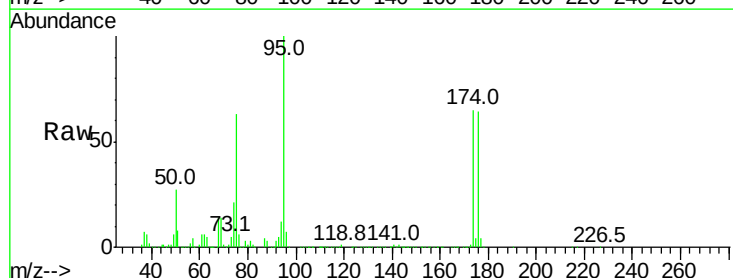
Tgt Ion: 95 Resp: 2069538

Ion Ratio Lower Upper

95 100

174 65.7 45.1 67.7

175 4.7 3.3 4.9



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

1200000

1000000

800000

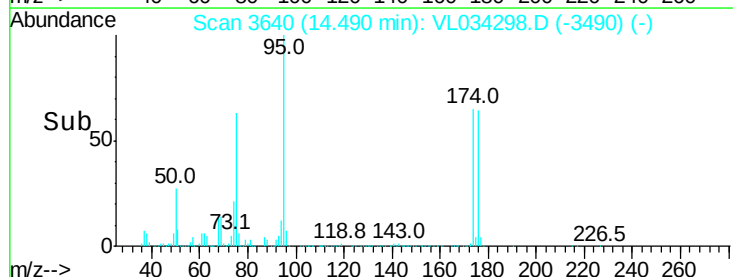
600000

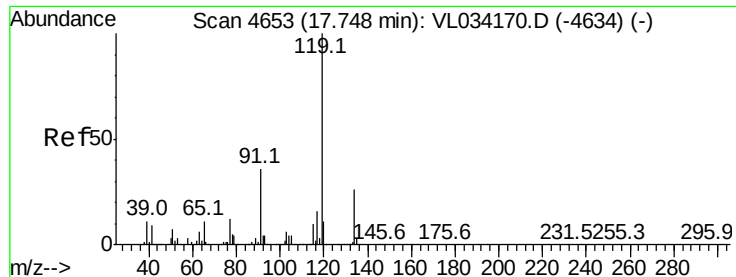
400000

200000

0

Time-->



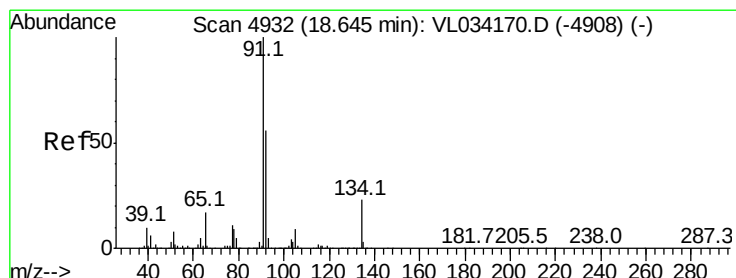
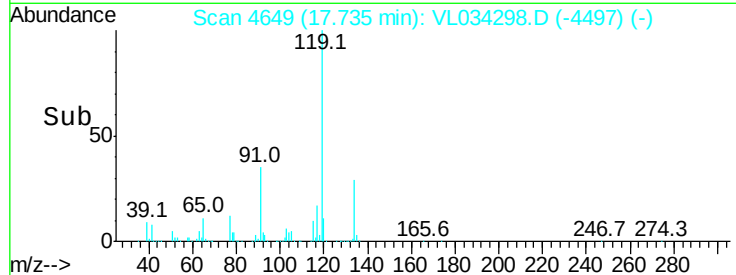
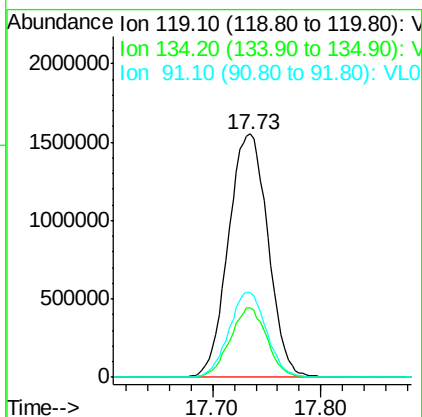
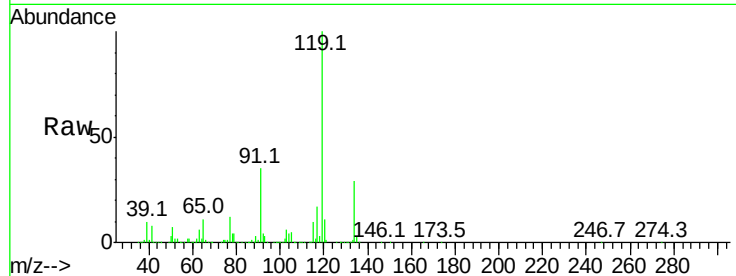


#69
 p-Isopropyltoluene
 Concen: 7.424 ppbv
 RT: 17.73 min Scan# 4649
 Delta R.T. -0.01 min
 Lab File: VL034298.D
 Acq: 16 Oct 2019 12:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 119 Resp: 3957074

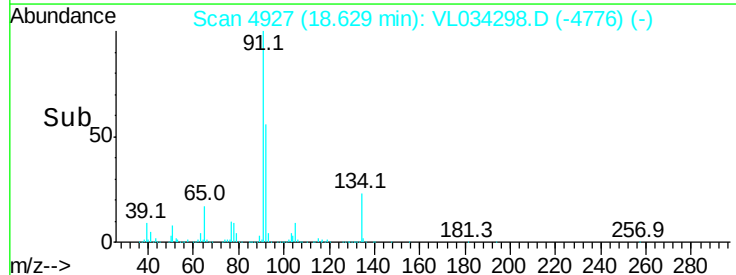
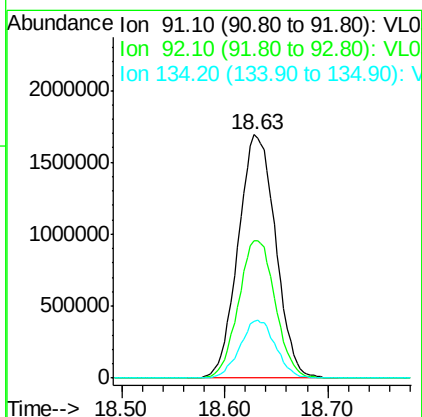
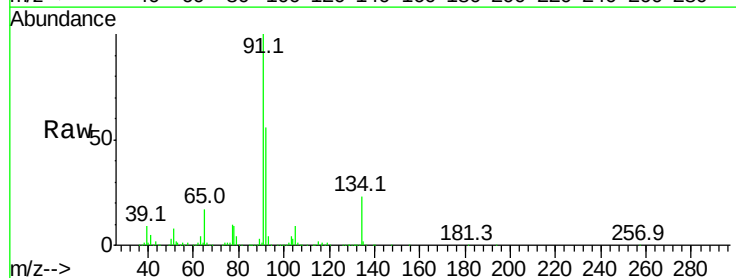
Ion	Ratio	Lower	Upper
119	100		
134	26.6	20.6	30.8
91	33.2	27.6	41.4

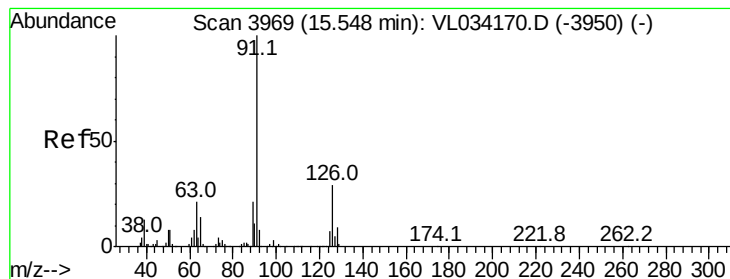


#70
 n-Butylbenzene
 Concen: 6.857 ppbv
 RT: 18.63 min Scan# 4927
 Delta R.T. -0.02 min
 Lab File: VL034298.D
 Acq: 16 Oct 2019 12:52

Tgt Ion: 91 Resp: 4255892

Ion	Ratio	Lower	Upper
91	100		
92	55.6	44.8	67.2
134	22.7	17.3	25.9





#71

2-Chlorotoluene

Concen: 7.150 ppbv

RT: 15.53 min Scan# 3964

Delta R.T. -0.02 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Instrument :

MSVOA_L

ClientSampleId :

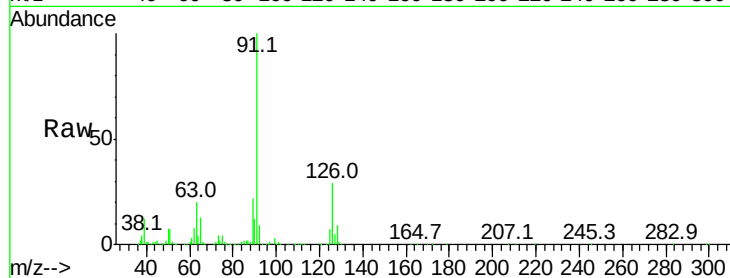
VSTDICCC010

Tgt Ion: 91 Resp: 3077949

Ion Ratio Lower Upper

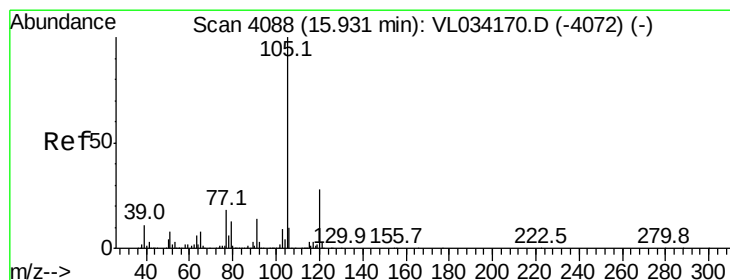
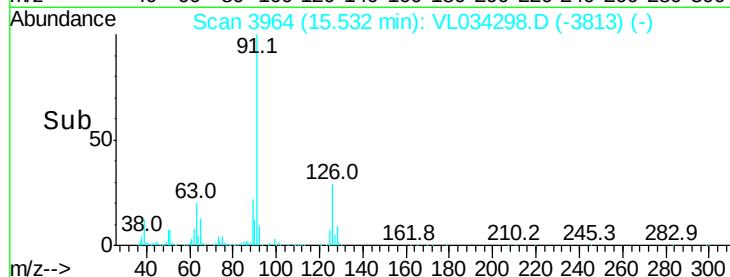
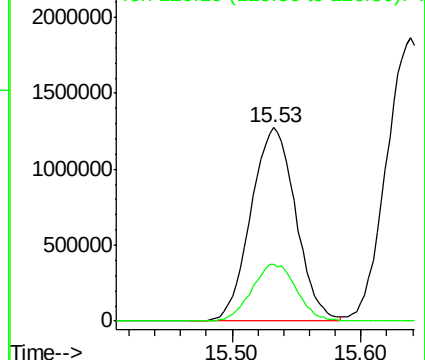
91 100

126 29.7 11.2 45.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 7.390 ppbv

RT: 15.92 min Scan# 4084

Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Tgt Ion: 105 Resp: 3398233

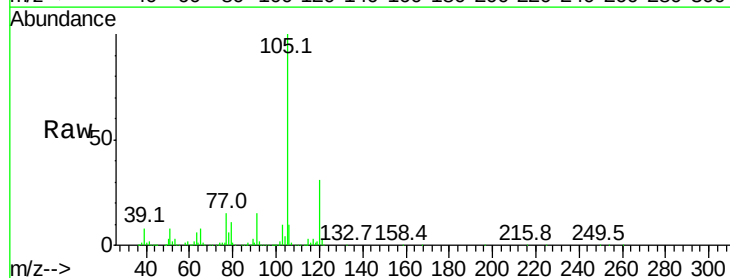
Ion Ratio Lower Upper

105 100

120 29.8 23.3 34.9

91 14.0 11.4 17.2

77 16.0 13.3 19.9

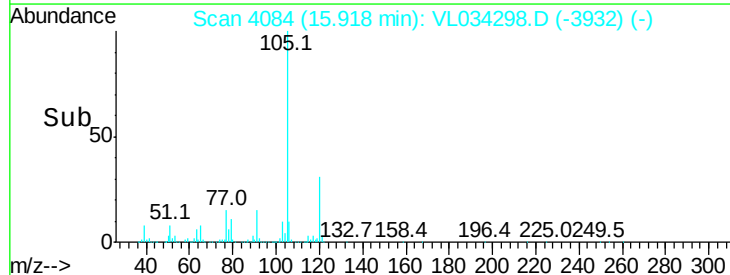
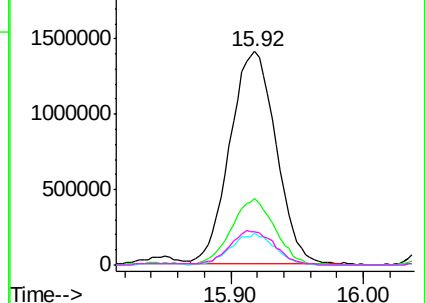


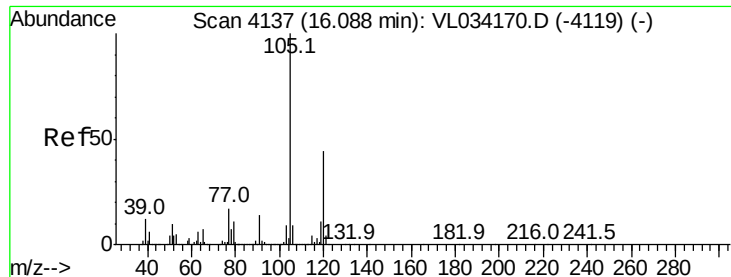
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 7.394 ppbv

RT: 16.07 min Scan# 4132

Delta R.T. -0.02 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Instrument :

MSVOA_L

ClientSampleId :

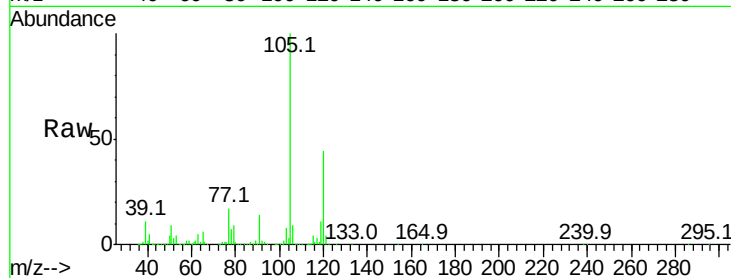
VSTDICCC010

Tgt Ion:105 Resp: 3284600

Ion Ratio Lower Upper

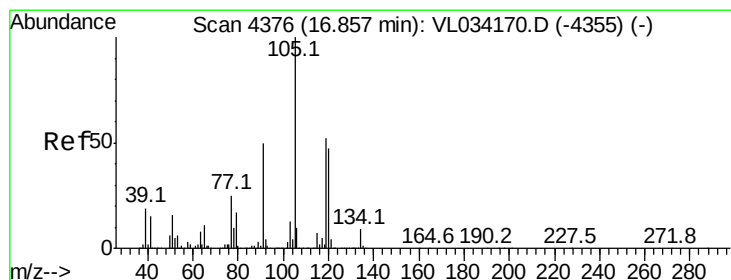
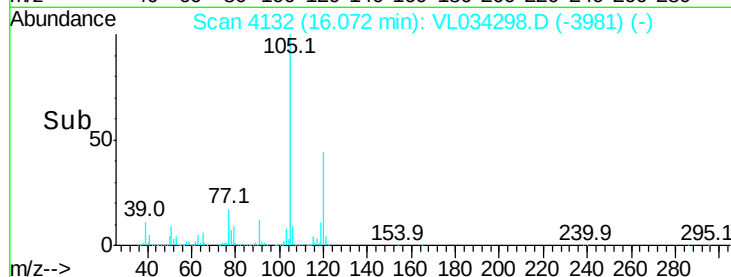
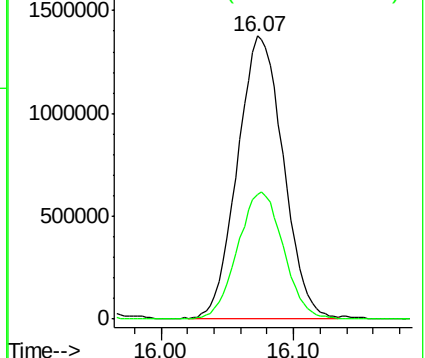
105 100

120 44.0 35.6 53.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.149 ppbv

RT: 16.84 min Scan# 4372

Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Tgt Ion:105 Resp: 3372126

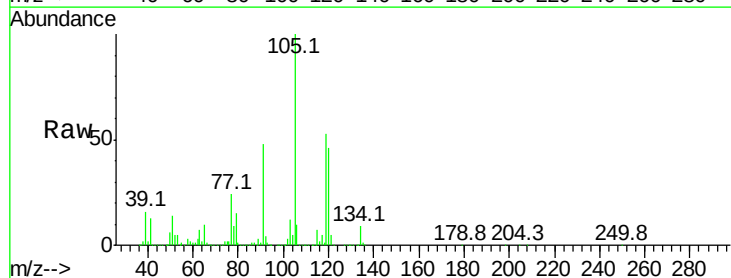
Ion Ratio Lower Upper

105 100

120 46.3 37.5 56.3

91 47.7 41.1 61.7

77 23.7 19.9 29.9

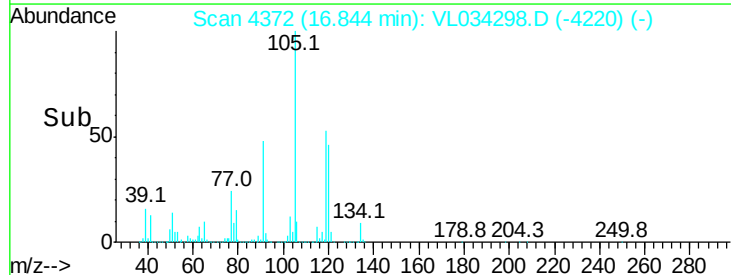
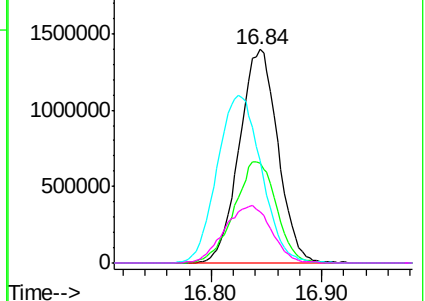


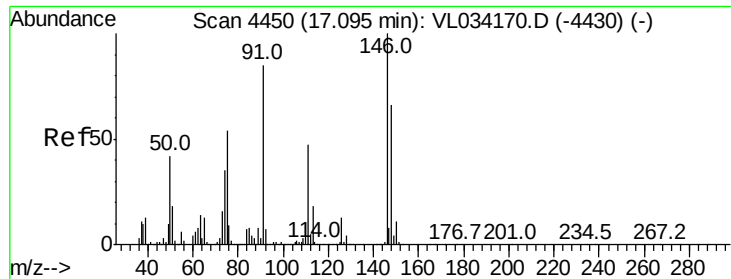
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 7.762 ppbv

RT: 17.08 min Scan# 4446

Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

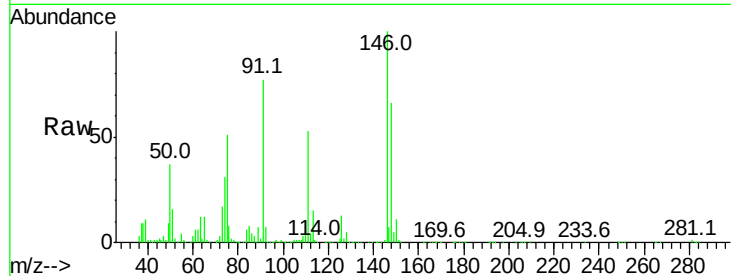
Tgt Ion:146 Resp: 1964229

Ion Ratio Lower Upper

146 100

111 49.0 25.9 77.8

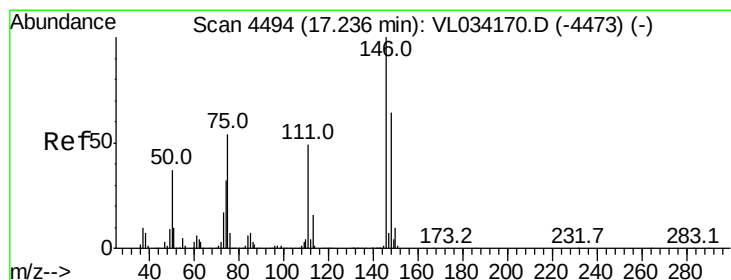
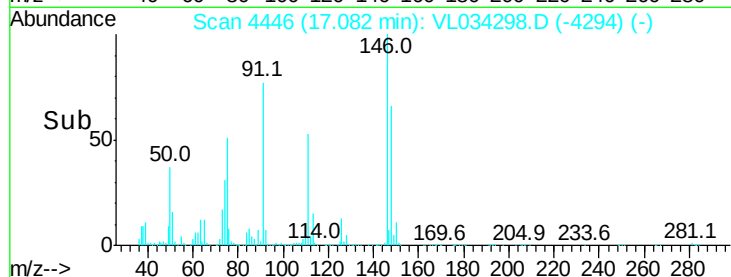
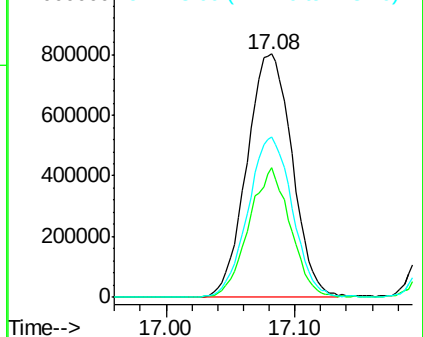
148 64.5 32.6 97.7



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: 7.618 ppbv

RT: 17.22 min Scan# 4490

Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

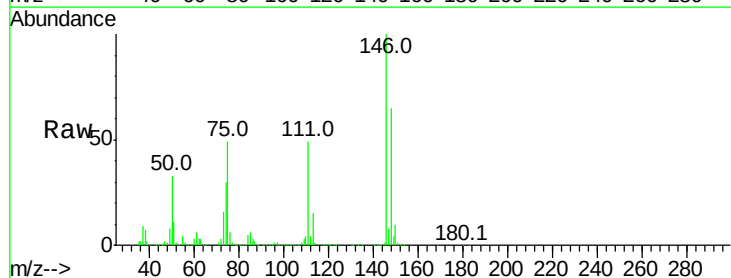
Tgt Ion:146 Resp: 1974415

Ion Ratio Lower Upper

146 100

111 47.8 24.6 74.0

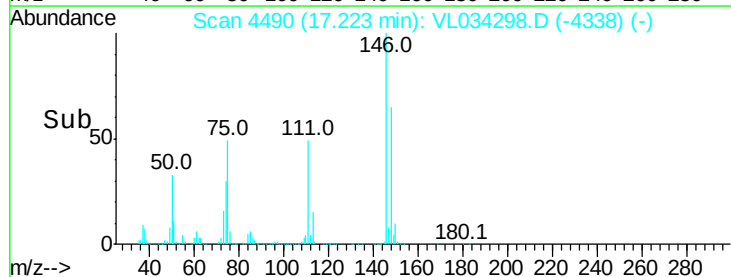
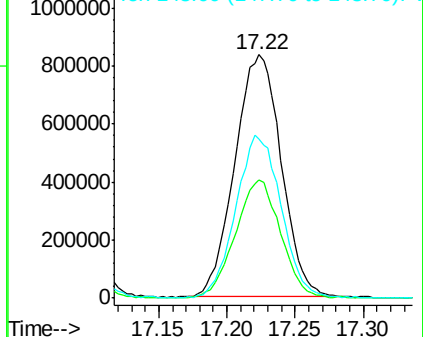
148 66.1 32.4 97.0

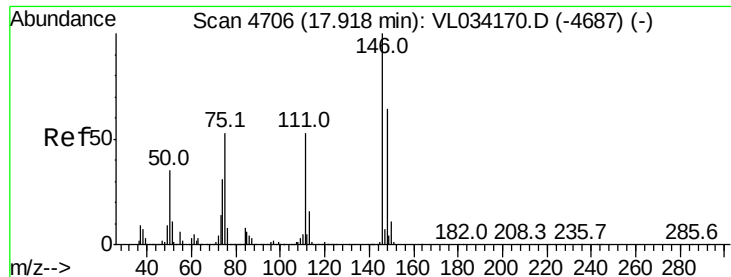


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.486 ppbv

RT: 17.90 min Scan# 4701

Delta R.T. -0.02 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

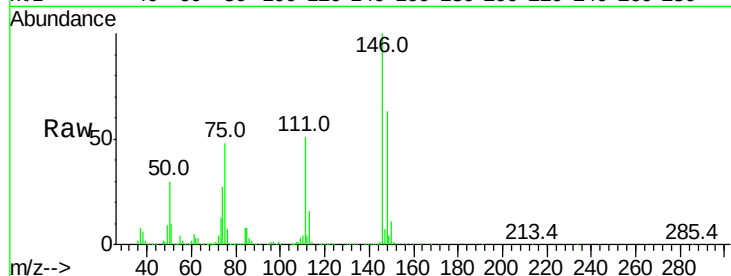
Tgt Ion:146 Resp: 1917513

Ion Ratio Lower Upper

146 100

111 50.2 26.1 78.3

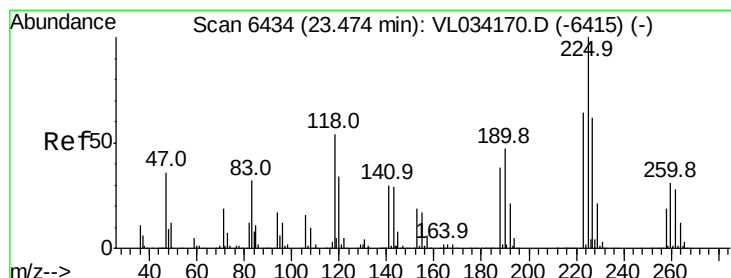
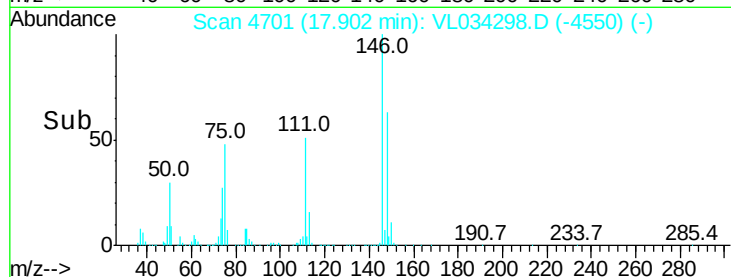
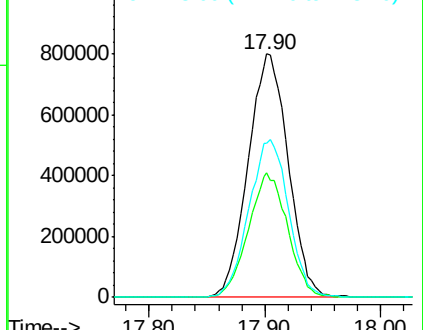
148 64.5 31.9 95.9



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: 8.602 ppbv

RT: 23.46 min Scan# 6430

Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

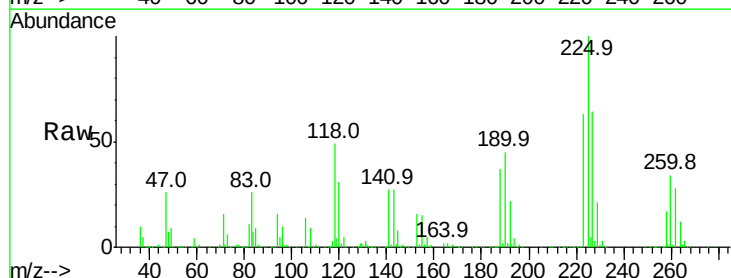
Tgt Ion:225 Resp: 1459304

Ion Ratio Lower Upper

225 100

223 63.5 51.7 77.5

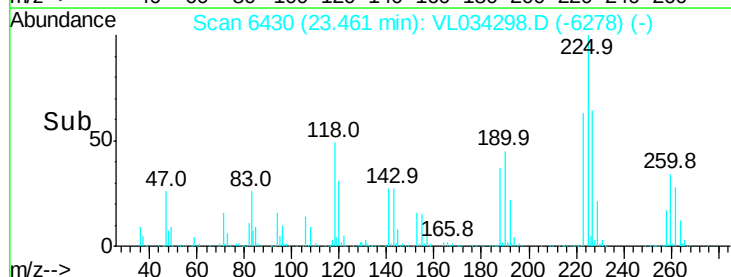
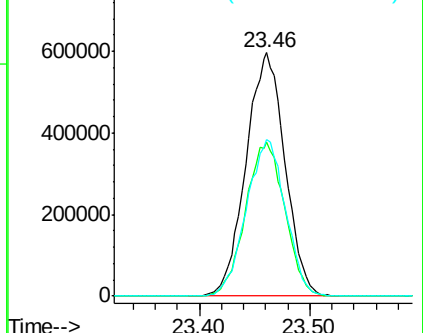
227 64.4 52.1 78.1

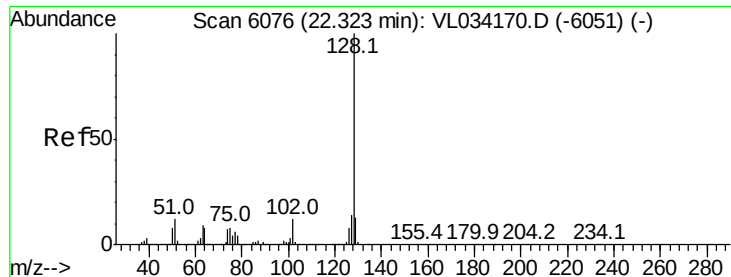


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 3.557 ppbv

RT: 22.30 min Scan# 6070

Delta R.T. -0.02 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

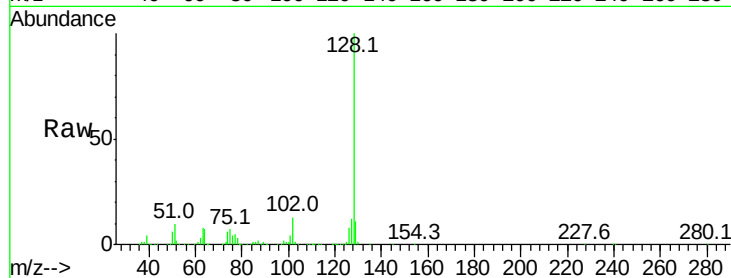
Tgt Ion:128 Resp: 1476959

Ion Ratio Lower Upper

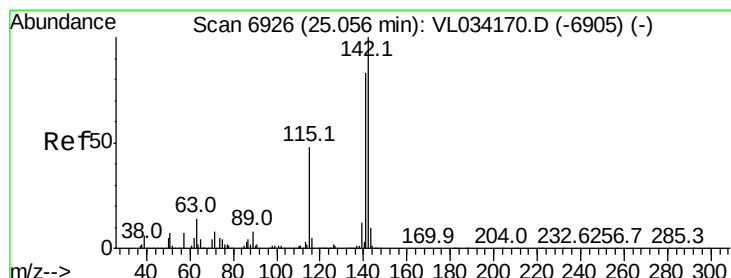
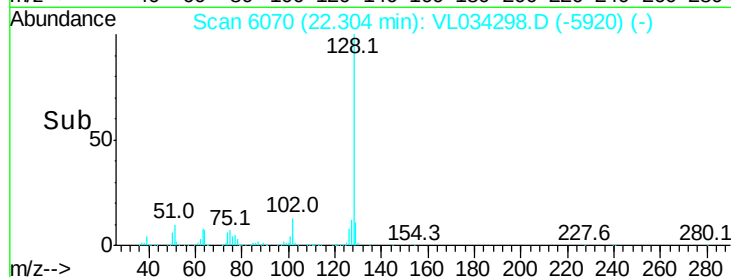
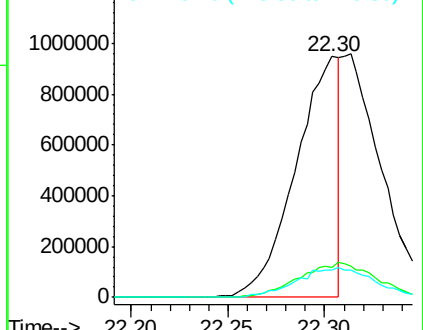
128 100

127 12.4 11.1 16.7

129 11.4 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: 4.884 ppbv

RT: 25.05 min Scan# 6923

Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

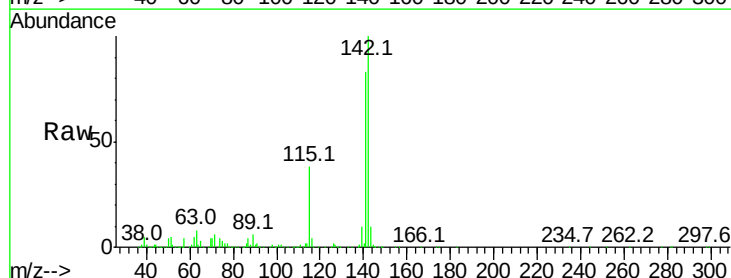
Tgt Ion:142 Resp: 943049

Ion Ratio Lower Upper

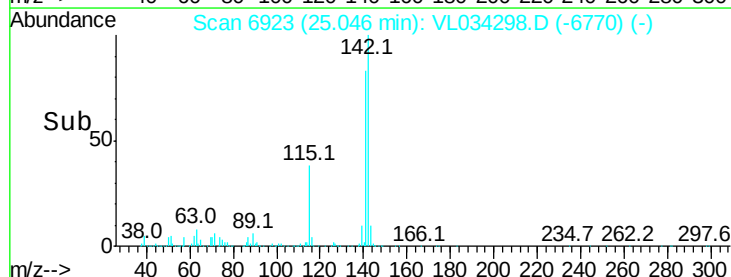
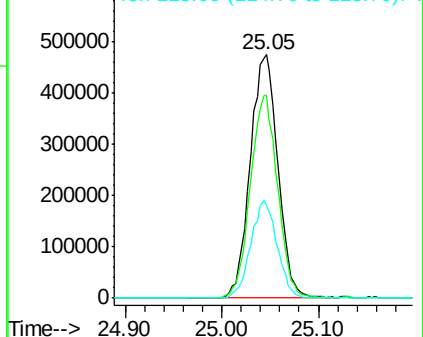
142 100

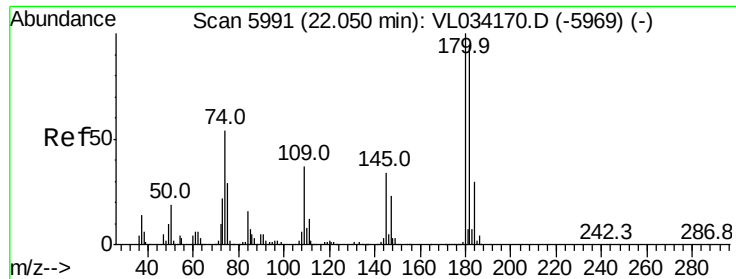
141 82.1 67.6 101.4

115 38.6 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

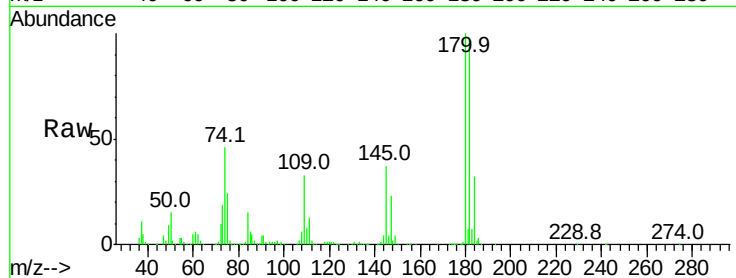




#81
 1,2,4-Trichlorobenzene
 Concen: 7.505 ppbv
 RT: 22.03 min Scan# 5986
 Delta R.T. -0.02 min
 Lab File: VL034298.D
 Acq: 16 Oct 2019 12:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion:180 Resp: 1726381
 Ion Ratio Lower Upper
 180 100
 182 97.3 77.4 116.2
 184 31.8 25.0 37.4



Abundance Ion 180.00 (179.70 to 180.70): V
 800000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

