

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101719\
 Data File : VL034340.D
 Acq On : 18 Oct 2019 12:05
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Oct 19 00:21:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 17 05:12:37 2019
 QLast Update : Thu Oct 17 05:12:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	863628	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1814944	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	2410810	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1561611	7.65	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	76.50%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	1295965	8.705	ppbv	100
3) Chlorodifluoromethane	2.97	51	1063233	10.504	ppbv	99
4) Chloromethane	3.12	50	660655	11.034	ppbv	95
5) Vinyl Chloride	3.24	62	603419	10.569	ppbv	96
6) Bromomethane	3.46	94	325173	11.631	ppbv	99
7) Chloroethane	3.55	64	221259	11.011	ppbv	98
8) Dichlorotetrafluoroethane	3.17	85	1381248	10.706	ppbv	97
9) Propene	2.99	41	522188	11.637	ppbv	99
10) Heptane	8.17	43	1355422	11.769	ppbv	99
11) Trichlorofluoromethane	3.94	101	1477172	10.450	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1013458	10.944	ppbv	98
13) Ethanol	3.59	45	110105	10.959	ppbv	99
14) Bromoethene	3.73	108	435323	11.939	ppbv	99
15) Acetone	3.84	43	1126833	9.122	ppbv	99
16) 1,3-Butadiene	3.31	39	573535	11.427	ppbv	99
17) tert-Butyl alcohol	4.29	59	1031809	13.087	ppbv	100
18) 1,1-Dichloroethene	4.29	96	465273	11.475	ppbv	93
19) Isopropyl Alcohol	3.96	45	864816	12.550	ppbv	100
20) Methylene Chloride	4.35	84	410934	9.202	ppbv	97
21) Allyl Chloride	4.41	41	791686	11.593	ppbv	100
22) trans-1,2-Dichloroethene	4.89	96	468665	11.588	ppbv	99
23) Vinyl Acetate	5.09	43	1853236	12.013	ppbv	98
24) 1,1-Dichloroethane	5.02	63	1269111	11.085	ppbv	99
25) Ethyl Acetate	5.70	43	2322507	11.136	ppbv	99
26) Hexane	5.71	57	1011044	11.374	ppbv	97
27) Carbon Disulfide	4.55	76	1159602	12.566	ppbv	97
28) Methyl tert-Butyl Ether	5.04	73	1624883	12.078	ppbv	99
29) Chloroform	5.78	83	1548243	11.011	ppbv	99
30) Cyclohexane	7.17	84	806383	12.335	ppbv	96
31) cis-1,2-Dichloroethene	5.57	61	1062074	11.773	ppbv	98
32) 1,1,1-Trichloroethane	6.54	97	1506121	11.015	ppbv	99
34) 2-Butanone	5.26	43	1555986	10.489	ppbv	99
35) Carbon Tetrachloride	7.05	117	1544678	9.771	ppbv	99
36) Benzene	6.93	78	1950527	11.201	ppbv	97
37) 1,2-Dichloroethane	6.34	62	1277285	9.842	ppbv	98
38) Trichloroethene	7.88	130	732669	10.485	ppbv	96
39) 1,2-Dichloropropane	7.65	63	810500	10.809	ppbv	97
40) 1,4-Dioxane	7.87	88	296482	11.251	ppbv	94
41) Tetrahydrofuran	6.07	42	918965	11.162	ppbv	98
42) Bromodichloromethane	7.84	83	1701233	10.702	ppbv	99
43) Methyl Methacrylate	8.06	69	829991	11.524	ppbv	95

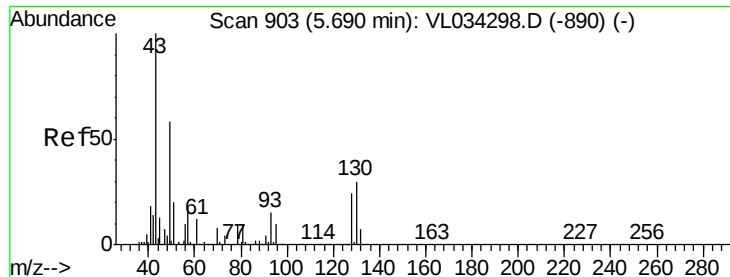
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101719\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	3398129	10.543	ppbv	98
45) t-1,3-Dichloropropene	9.33	75	1091055	12.434	ppbv	100
46) cis-1,3-Dichloropropene	8.75	75	1246506	12.365	ppbv	96
47) 1,1,2-Trichloroethane	9.53	97	808292	10.642	ppbv	94
48) Dibromochloromethane	10.37	129	1387149	11.134	ppbv	100
49) Bromoform	13.11	173	1256340	11.380	ppbv	100
50) 4-Methyl-2-Pentanone	8.79	43	2308502	10.870	ppbv	98
51) 2-Hexanone	10.19	43	1934730	11.113	ppbv #	98
52) Tetrachloroethene	11.29	164	729562	10.688	ppbv	96
53) Toluene	9.86	91	2264499	11.784	ppbv	100
54) 1,2-Dibromoethane	10.67	107	1217118	10.812	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.19	131	917055	8.254	ppbv	98
57) Chlorobenzene	12.21	112	1664782	8.277	ppbv	98
58) Ethyl Benzene	12.78	91	3060072	9.080	ppbv	99
59) m/p-Xylene	13.06	91	2546517	8.721	ppbv #	33
60) o-Xylene	13.76	91	2474325	8.510	ppbv	99
61) Styrene	13.60	104	1903837	9.301	ppbv	98
62) Isopropylbenzene	14.74	105	3249047	8.465	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.75	83	1712184	7.328	ppbv	100
64) n-propylbenzene	15.64	120	855483	8.685	ppbv	99
65) tert-Butylbenzene	16.82	119	2837029	8.340	ppbv	98
66) Benzyl Chloride	17.07	91	1318423	9.813	ppbv	99
67) sec-Butylbenzene	17.37	105	3922905	8.195	ppbv	99
69) p-Isopropyltoluene	17.73	119	3263740	8.362	ppbv	98
70) n-Butylbenzene	18.63	91	3466492	8.163	ppbv	99
71) 2-Chlorotoluene	15.53	91	2550437	8.570	ppbv	100
72) 4-Ethyltoluene	15.91	105	2855766	8.738	ppbv	99
73) 1,3,5-Trimethylbenzene	16.07	105	2717696	8.392	ppbv	97
74) 1,2,4-Trimethylbenzene	16.84	105	2756182	8.161	ppbv	97
75) 1,3-Dichlorobenzene	17.08	146	1588060	7.832	ppbv	98
76) 1,4-Dichlorobenzene	17.22	146	1593822	8.048	ppbv	99
77) 1,2-Dichlorobenzene	17.90	146	777426	3.911	ppbv #	26
78) Hexachloro-1,3-Butadiene	23.46	225	1363945	8.295	ppbv	100
79) Naphthalene	22.31	128	2753261	11.161	ppbv	98
80) Naphthalene,2-methyl-	25.04	142	882788	12.380	ppbv	99
81) 1,2,4-Trichlorobenzene	22.04	180	724573	4.497	ppbv #	1

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.00 min

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VSTDCCC010EC

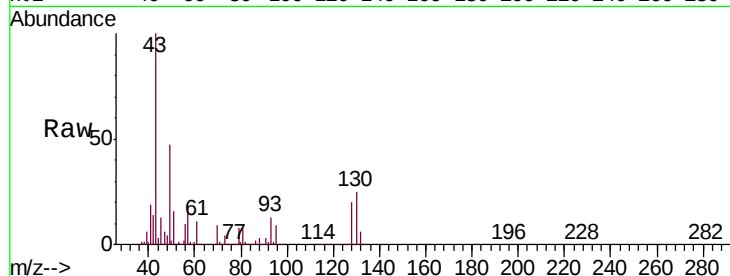
Tgt Ion: 49 Resp: 863628

Ion Ratio Lower Upper

49 100

128 43.2 20.6 61.8

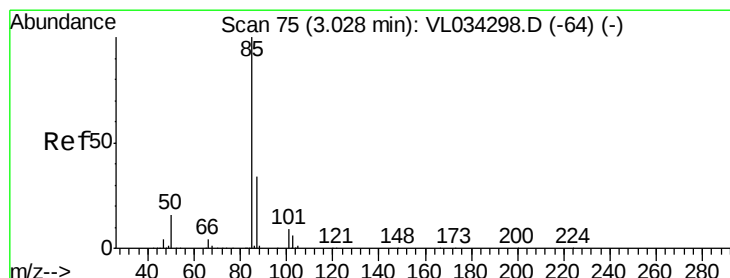
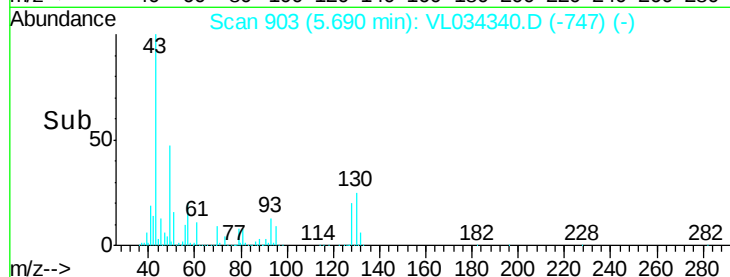
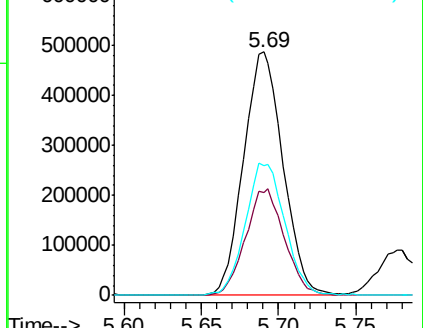
130 55.0 26.2 78.5



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: 8.705 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.00 min

Lab File: VL034340.D

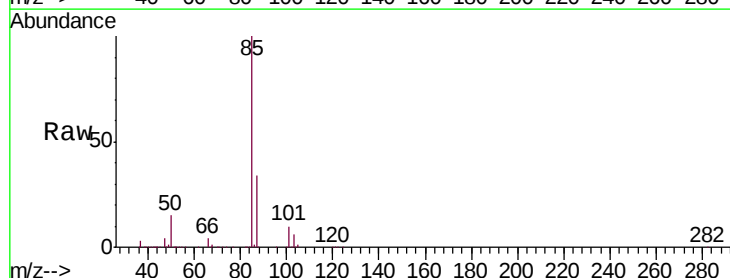
Acq: 18 Oct 2019 12:05

Tgt Ion: 85 Resp: 1295965

Ion Ratio Lower Upper

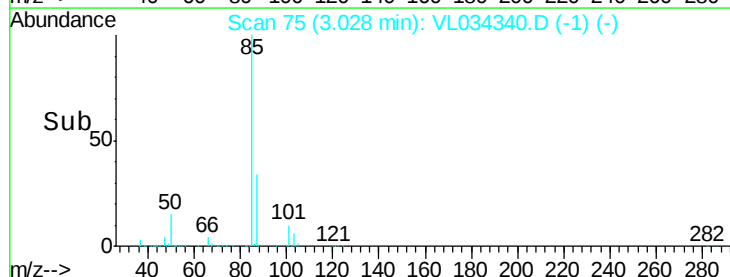
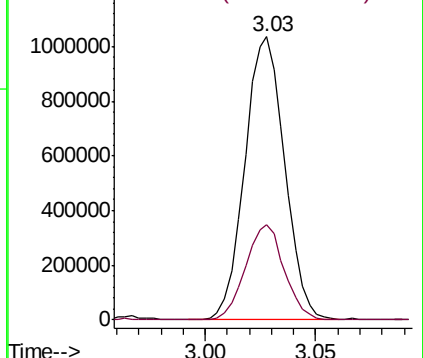
85 100

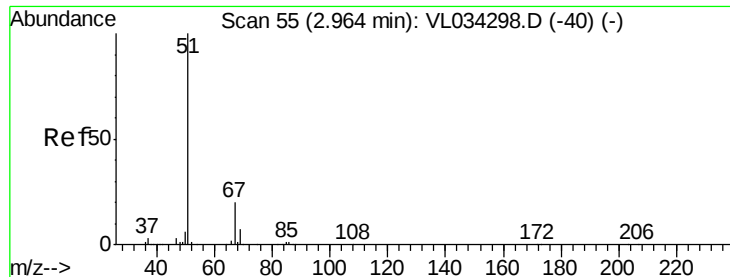
87 33.8 27.0 40.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.504 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_L

ClientSampleId :

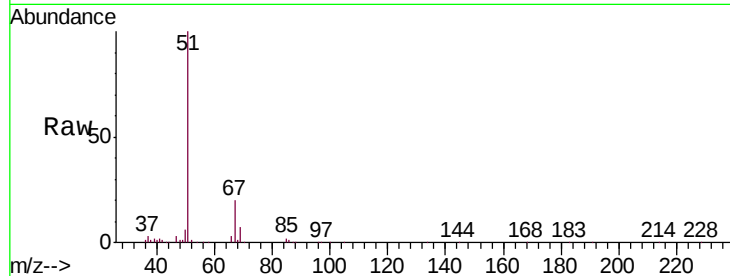
VSTDCCC010EC

Tgt Ion: 51 Resp: 1063233

Ion Ratio Lower Upper

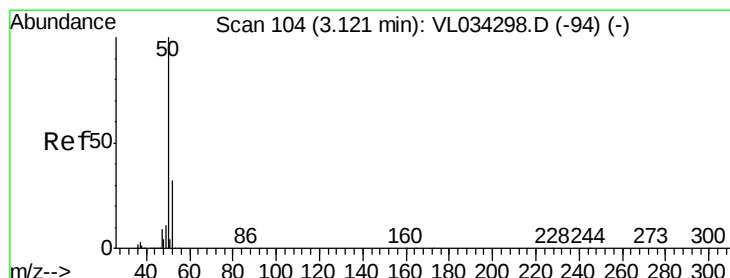
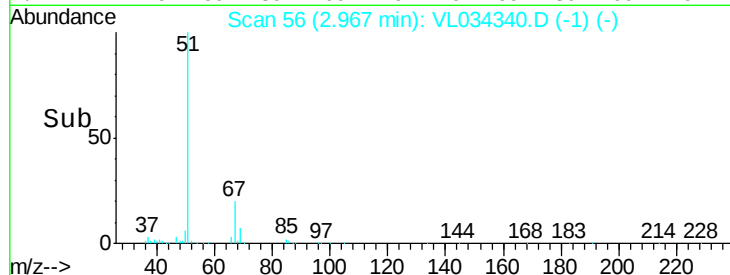
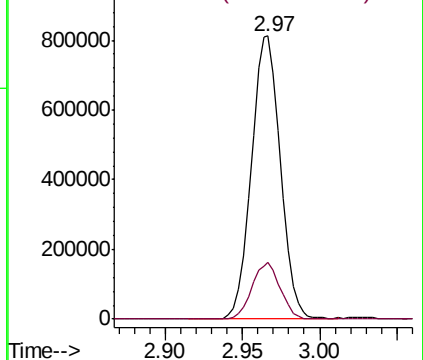
51 100

67 19.6 15.8 23.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 11.034 ppbv

RT: 3.12 min Scan# 104

Delta R.T. 0.00 min

Lab File: VL034340.D

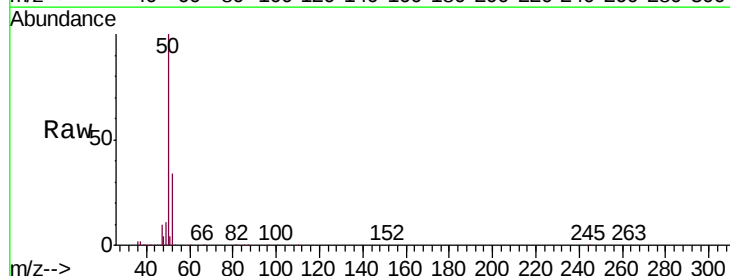
Acq: 18 Oct 2019 12:05

Tgt Ion: 50 Resp: 660655

Ion Ratio Lower Upper

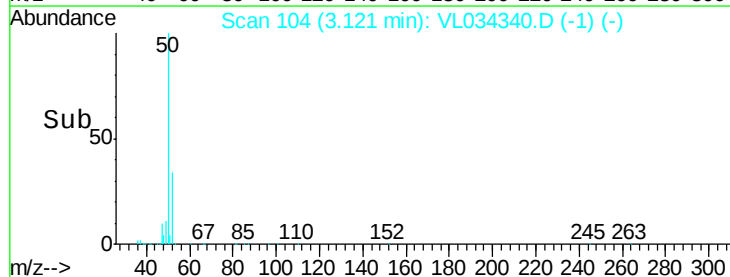
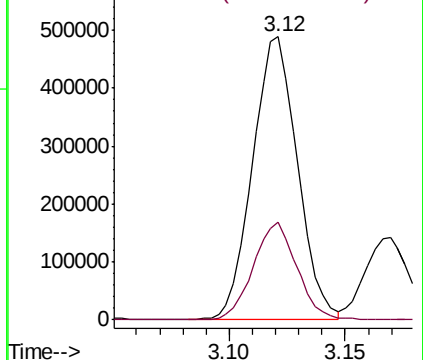
50 100

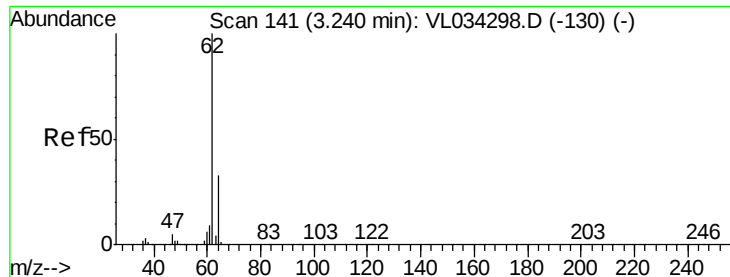
52 34.5 25.4 38.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.569 ppbv

RT: 3.24 min Scan# 140

Delta R.T. -0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_L

ClientSampleId :

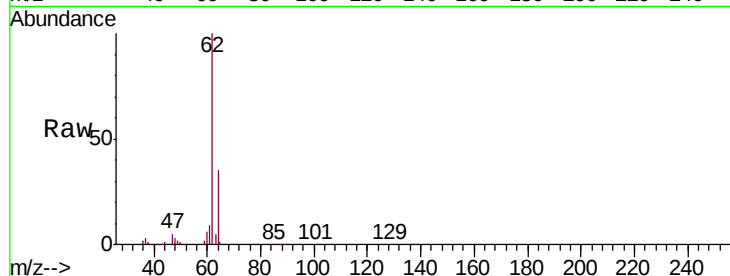
VSTDCCC010EC

Tgt Ion: 62 Resp: 603419

Ion Ratio Lower Upper

62 100

64 34.6 26.0 39.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.24

500000

400000

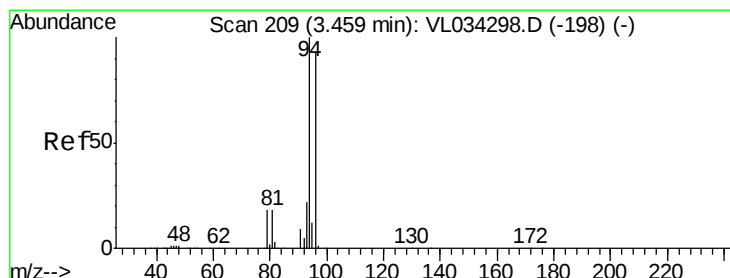
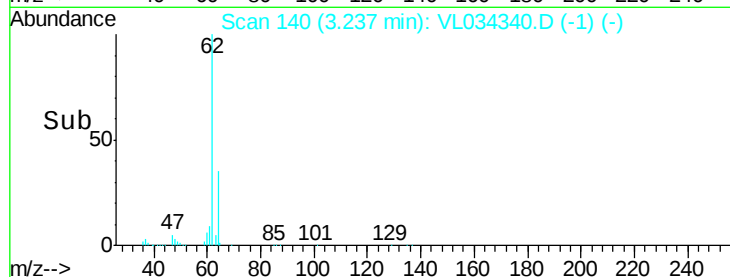
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 11.631 ppbv

RT: 3.46 min Scan# 209

Delta R.T. 0.00 min

Lab File: VL034340.D

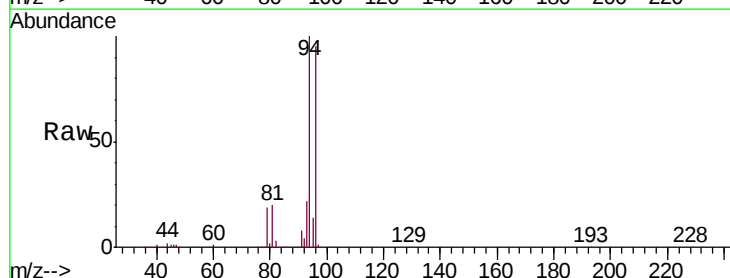
Acq: 18 Oct 2019 12:05

Tgt Ion: 94 Resp: 325173

Ion Ratio Lower Upper

94 100

96 94.7 74.6 112.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.46

250000

200000

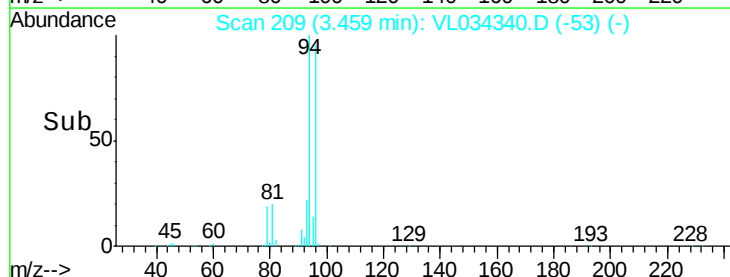
150000

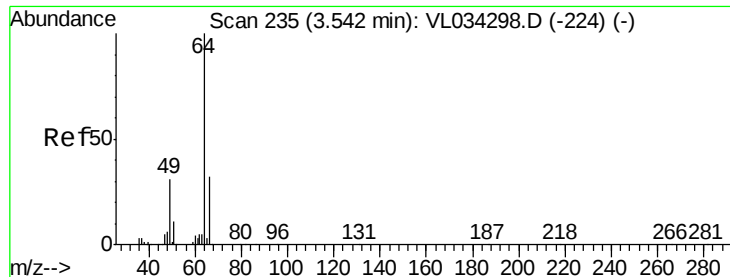
100000

50000

0

Time-->





#7

Chloroethane

Concen: 11.011 ppbv

RT: 3.55 min Scan# 236

Delta R.T. 0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_L

ClientSampleId :

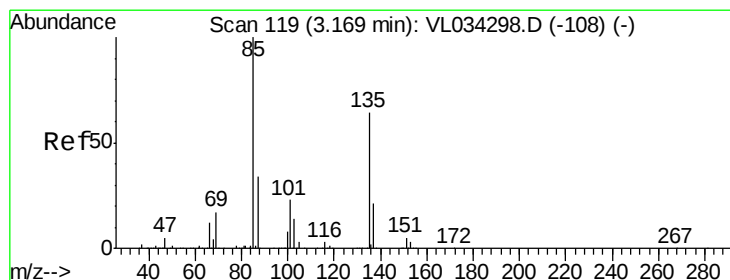
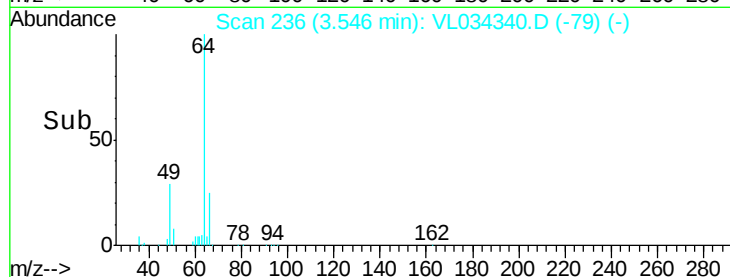
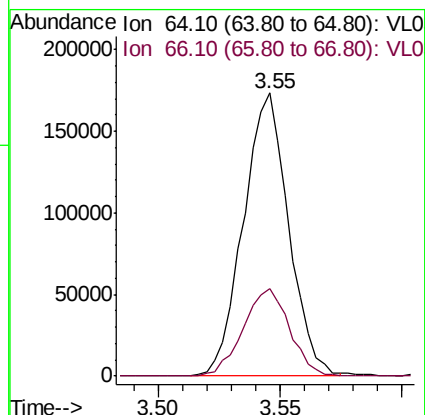
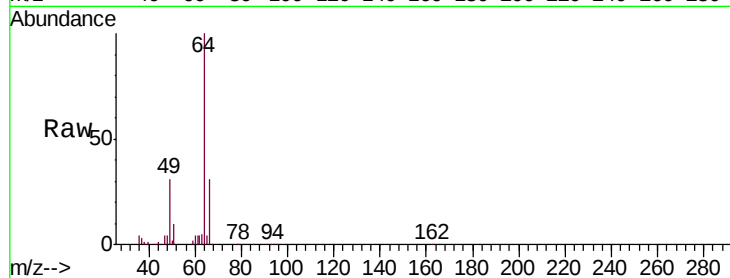
VSTDCCC010EC

Tgt Ion: 64 Resp: 221259

Ion Ratio Lower Upper

64 100

66 30.8 25.4 38.0



#8

Dichlorotetrafluoroethane

Concen: 10.706 ppbv

RT: 3.17 min Scan# 119

Delta R.T. 0.00 min

Lab File: VL034340.D

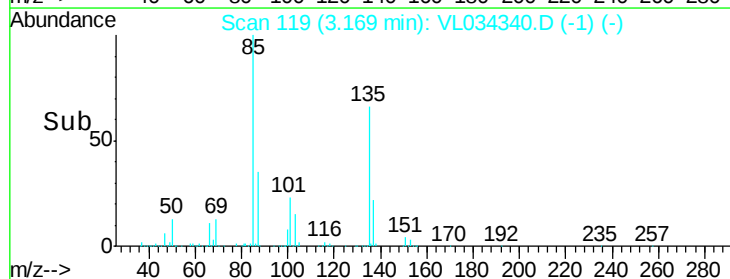
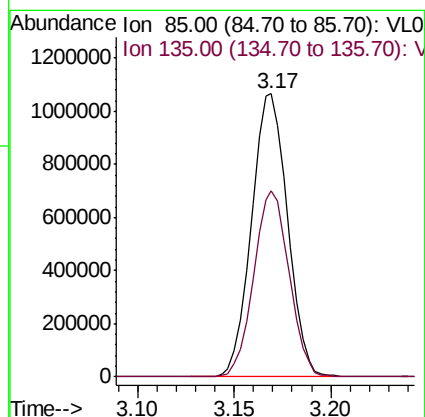
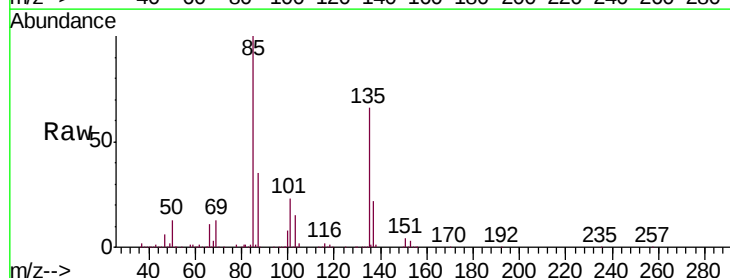
Acq: 18 Oct 2019 12:05

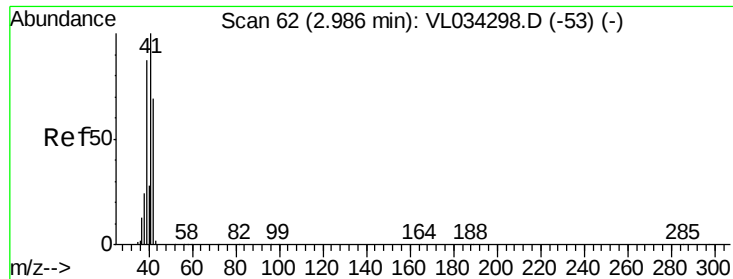
Tgt Ion: 85 Resp: 1381248

Ion Ratio Lower Upper

85 100

135 64.7 50.2 75.2





#9

Propene

Concen: 11.637 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_L

ClientSampleId :

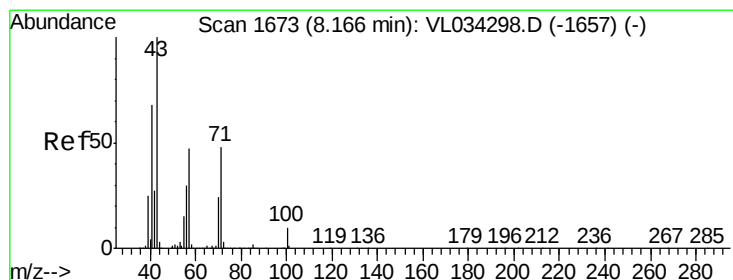
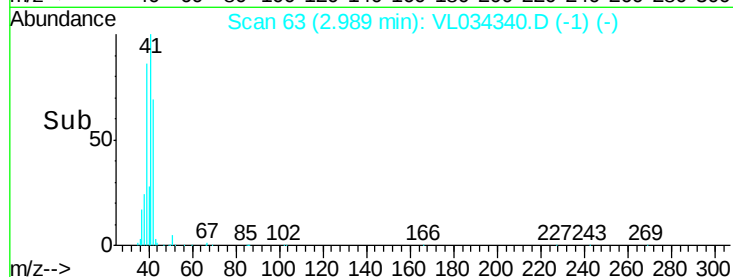
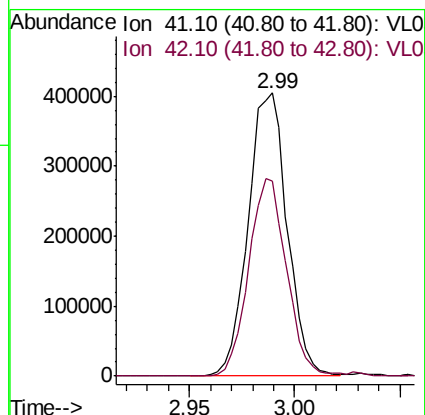
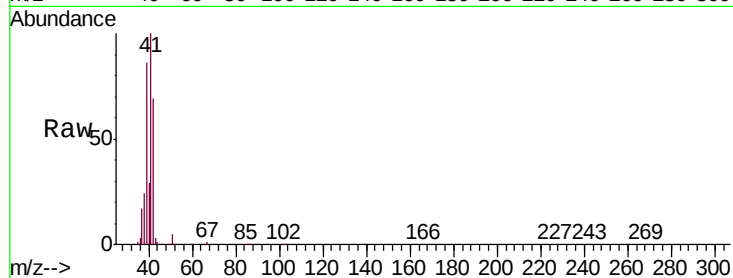
VSTDCCC010EC

Tgt Ion: 41 Resp: 522188

Ion Ratio Lower Upper

41 100

42 68.3 53.9 80.9



#10

Heptane

Concen: 11.769 ppbv

RT: 8.17 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VL034340.D

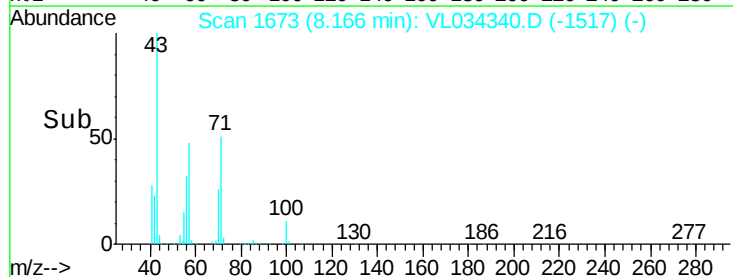
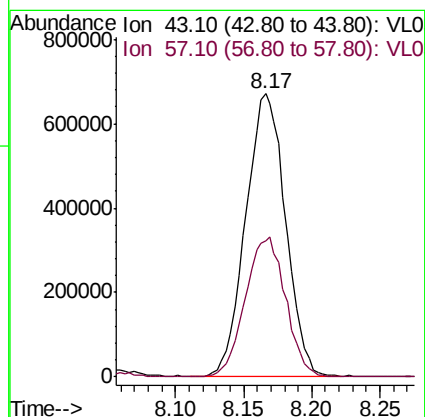
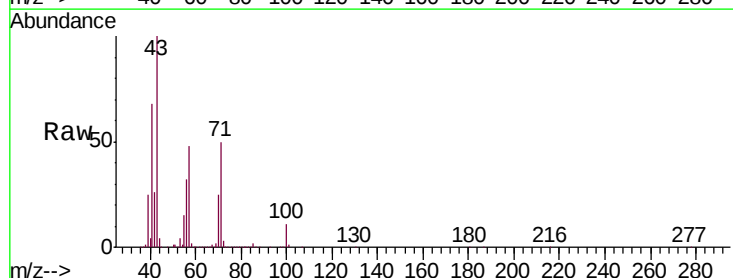
Acq: 18 Oct 2019 12:05

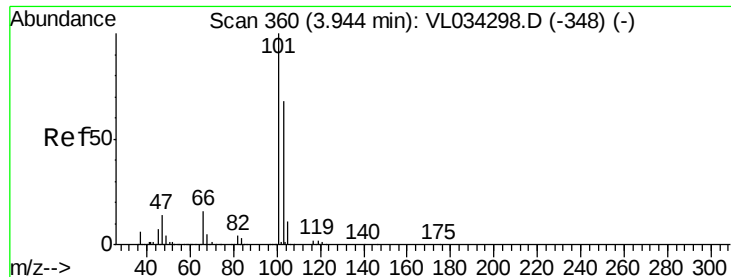
Tgt Ion: 43 Resp: 1355422

Ion Ratio Lower Upper

43 100

57 49.8 39.5 59.3

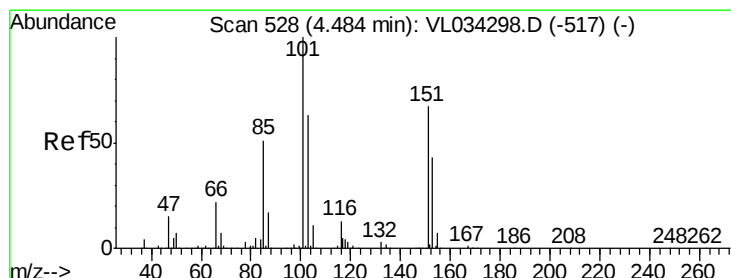
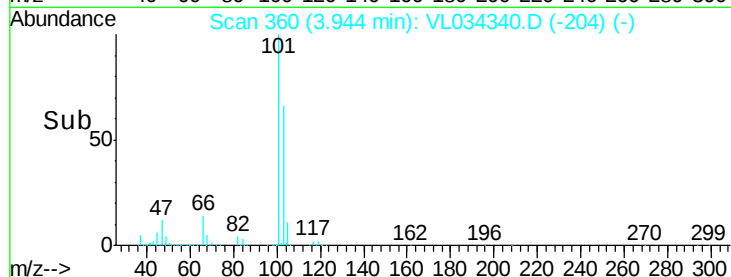
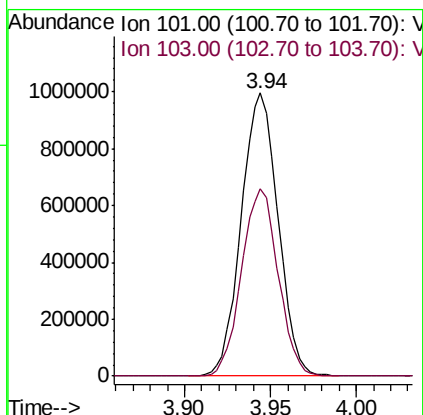
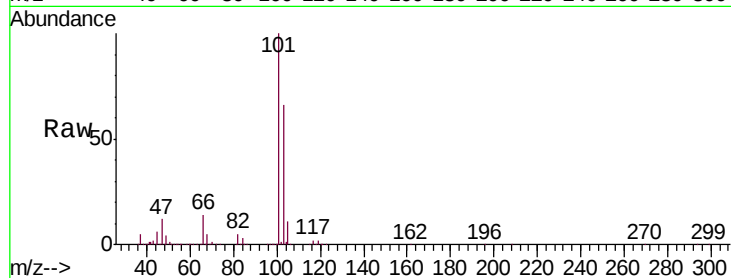




#11
 Trichlorofluoromethane
 Concen: 10.450 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. 0.00 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

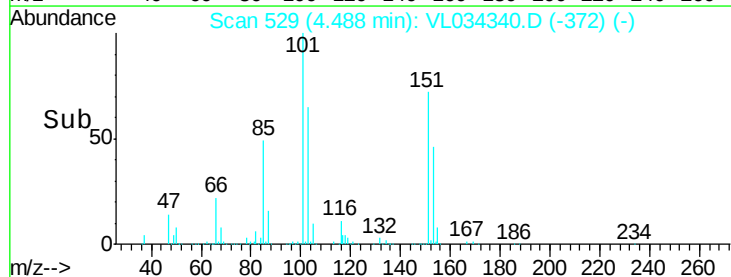
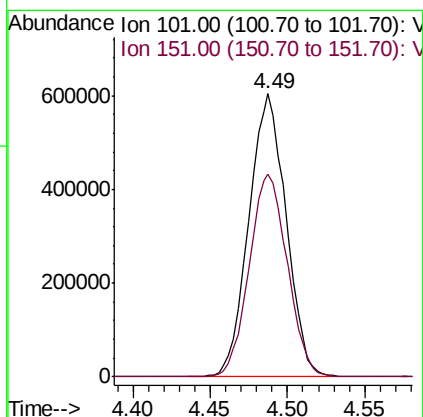
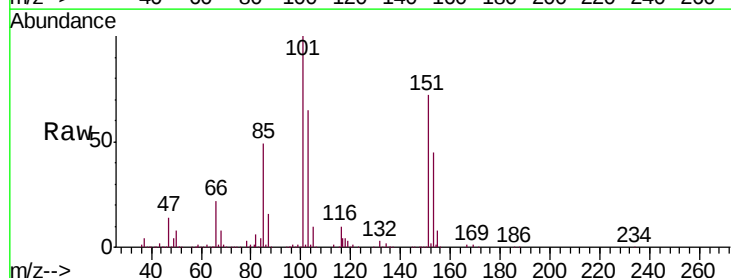
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

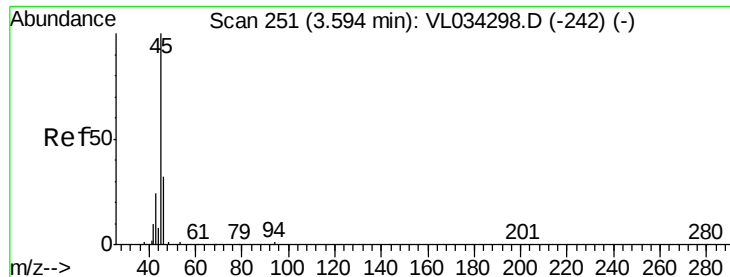
Tgt Ion:101 Resp: 1477172
 Ion Ratio Lower Upper
 101 100
 103 66.1 54.5 81.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.944 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

Tgt Ion:101 Resp: 1013458
 Ion Ratio Lower Upper
 101 100
 151 73.3 57.4 86.2





#13

Ethanol

Concen: 10.959 ppbv

RT: 3.59 min Scan# 251

Delta R.T. 0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_L

ClientSampleId :

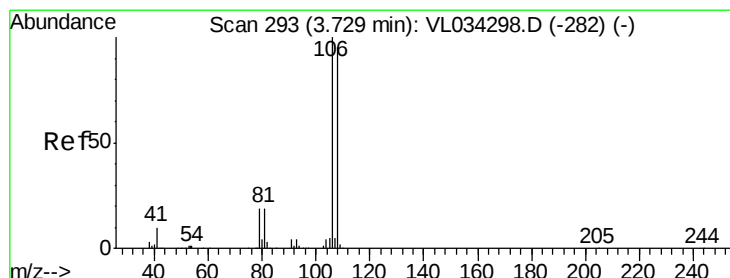
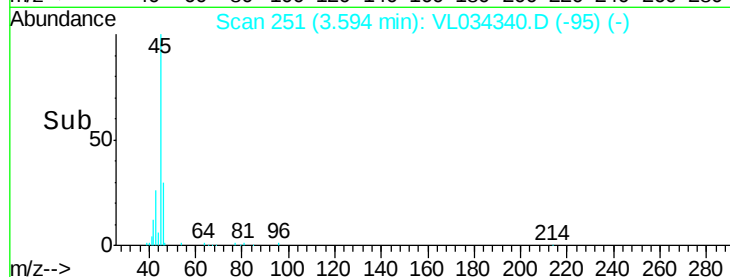
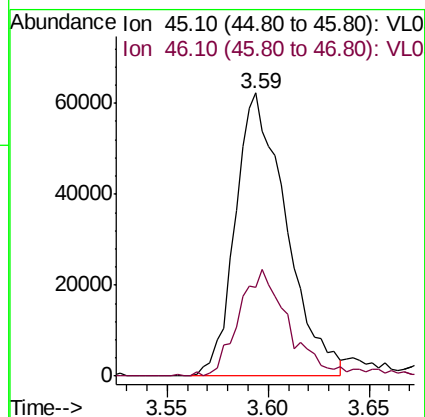
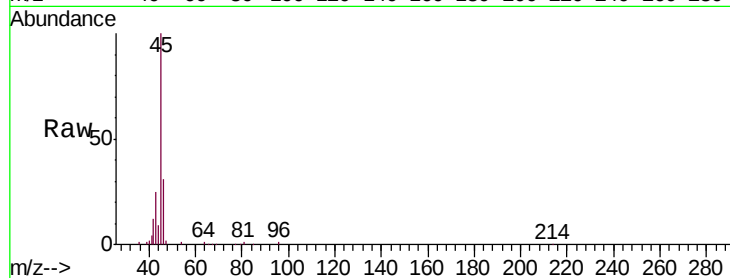
VSTDCCC010EC

Tgt Ion: 45 Resp: 110105

Ion Ratio Lower Upper

45 100

46 38.9 15.8 63.2



#14

Bromoethene

Concen: 11.939 ppbv

RT: 3.73 min Scan# 293

Delta R.T. 0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

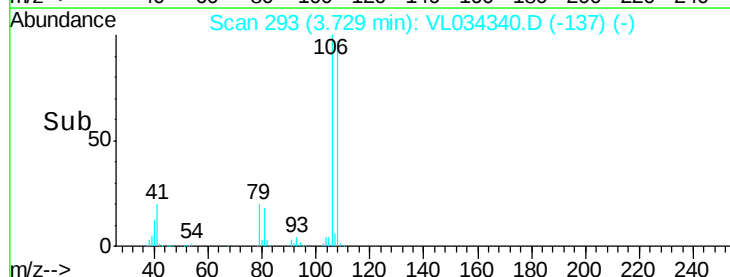
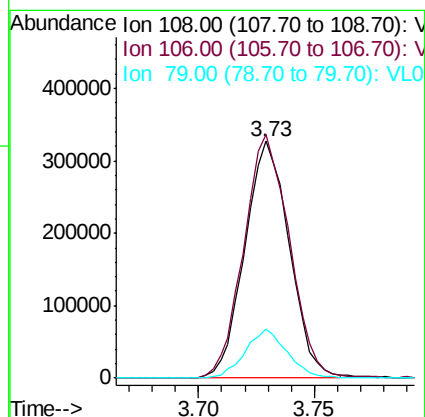
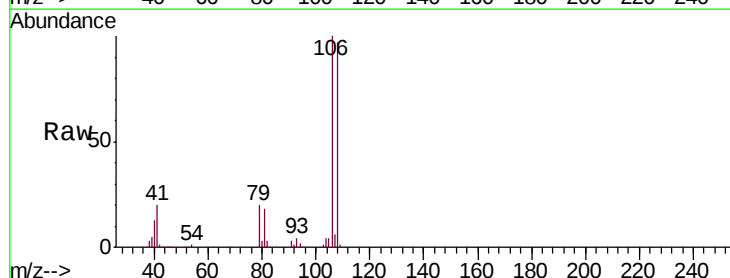
Tgt Ion: 108 Resp: 435323

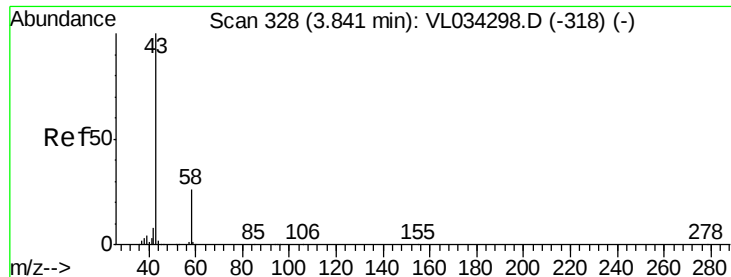
Ion Ratio Lower Upper

108 100

106 106.4 84.8 127.2

79 19.6 17.0 25.4





#15

Acetone

Concen: 9.122 ppbv

RT: 3.84 min Scan# 328

Delta R.T. 0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_L

ClientSampleId :

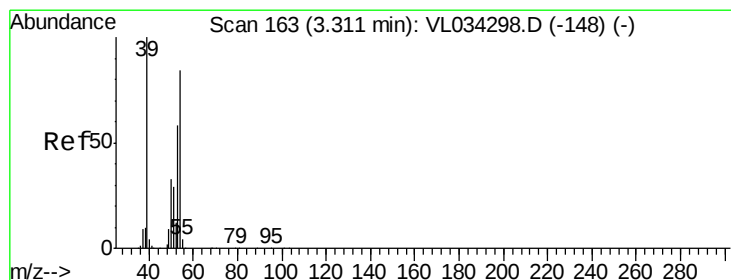
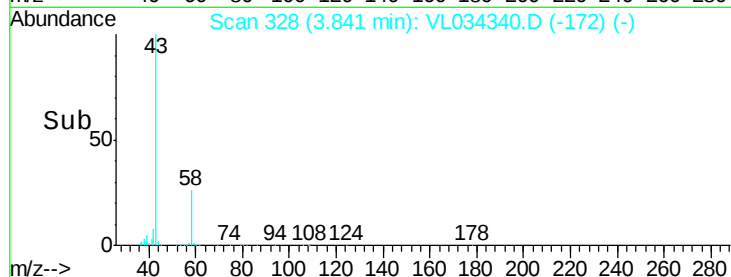
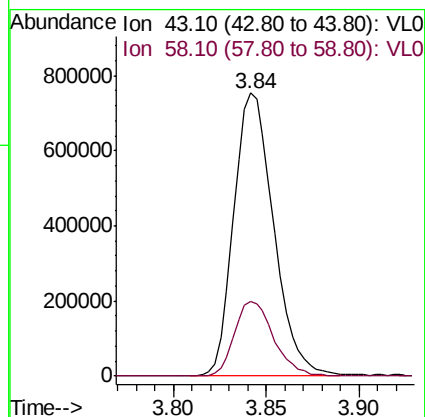
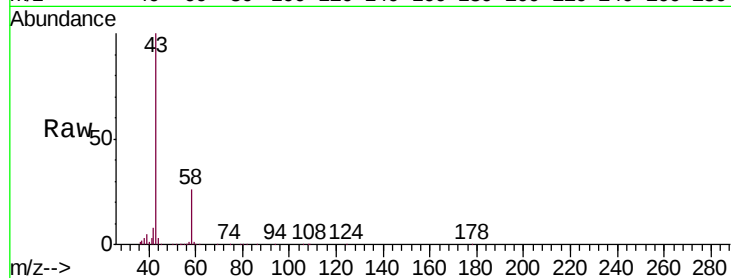
VSTDCCC010EC

Tgt Ion: 43 Resp: 1126833

Ion Ratio Lower Upper

43 100

58 26.2 20.4 30.6



#16

1,3-Butadiene

Concen: 11.427 ppbv

RT: 3.31 min Scan# 163

Delta R.T. 0.00 min

Lab File: VL034340.D

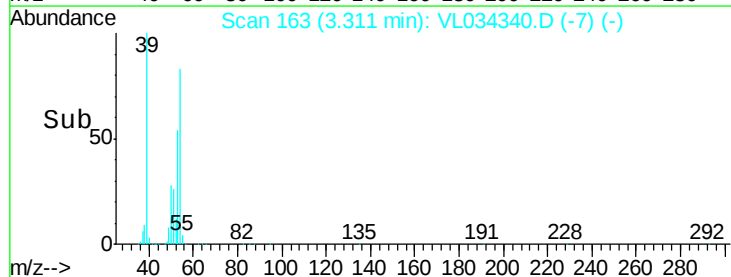
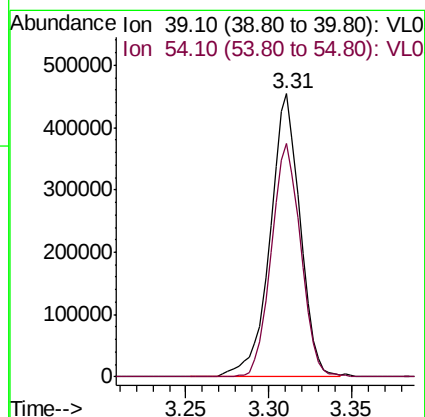
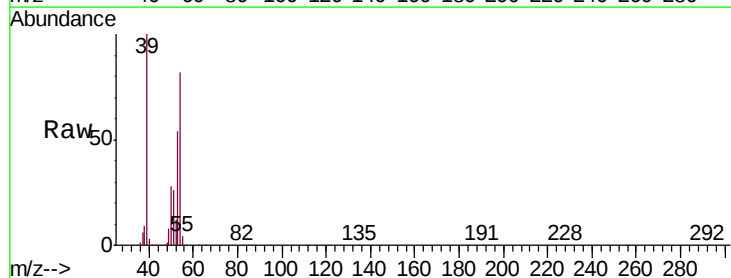
Acq: 18 Oct 2019 12:05

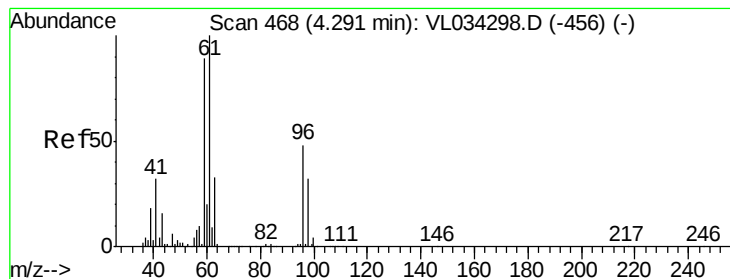
Tgt Ion: 39 Resp: 573535

Ion Ratio Lower Upper

39 100

54 80.6 63.9 95.9





#17

tert-Butyl alcohol

Concen: 13.087 ppbv

RT: 4.29 min Scan# 468

Delta R.T. 0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_L

ClientSampleId :

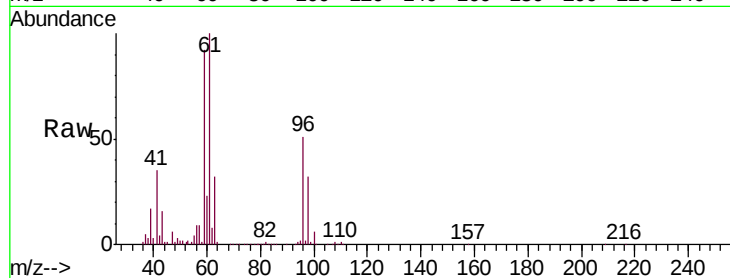
VSTDCCC010EC

Tgt Ion: 59 Resp: 1031809

Ion Ratio Lower Upper

59 100

57 10.9 8.8 13.2



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.29

600000

500000

400000

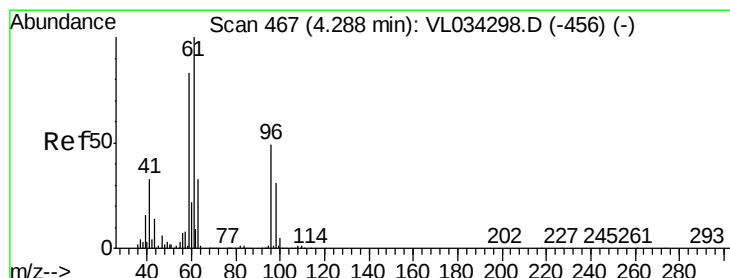
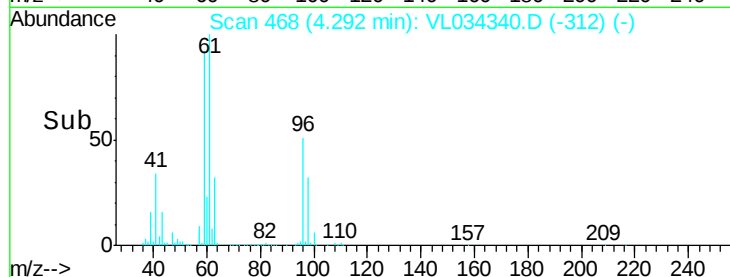
300000

200000

100000

0

Time-->



#18

1,1-Dichloroethene

Concen: 11.475 ppbv

RT: 4.29 min Scan# 467

Delta R.T. 0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

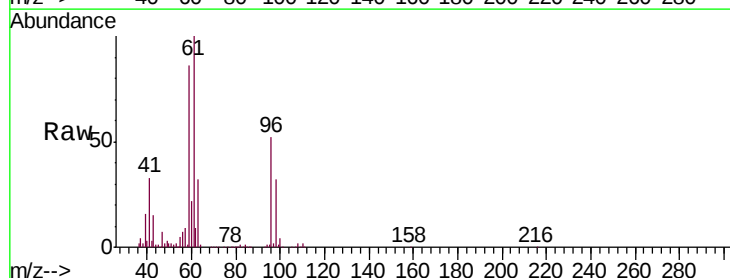
Tgt Ion: 96 Resp: 465273

Ion Ratio Lower Upper

96 100

61 193.1 164.5 246.7

98 62.7 51.7 77.5



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

800000

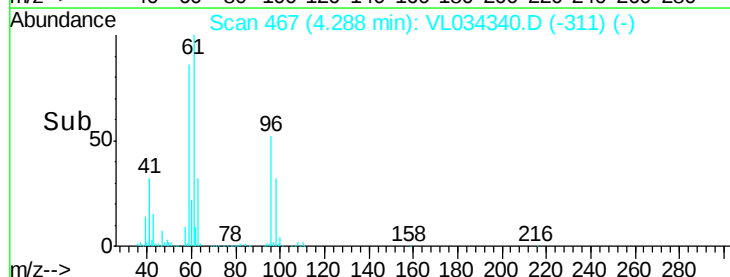
600000

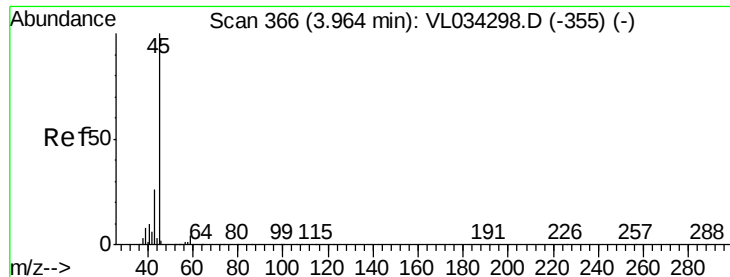
400000

200000

0

Time-->



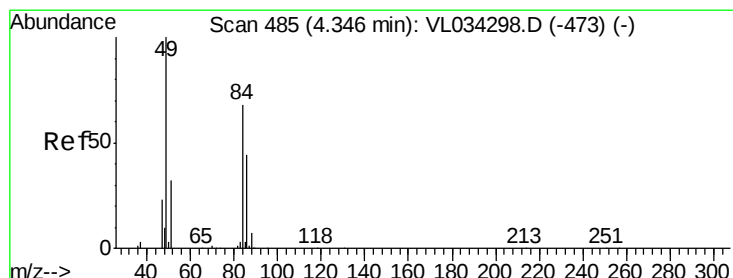
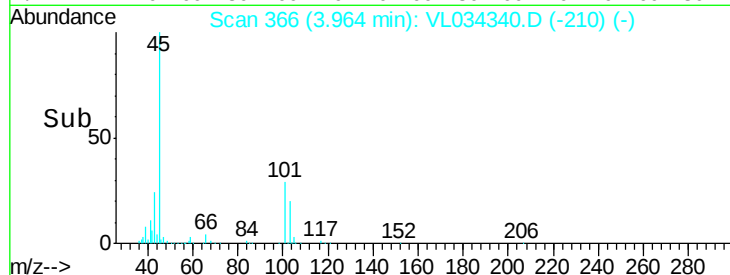
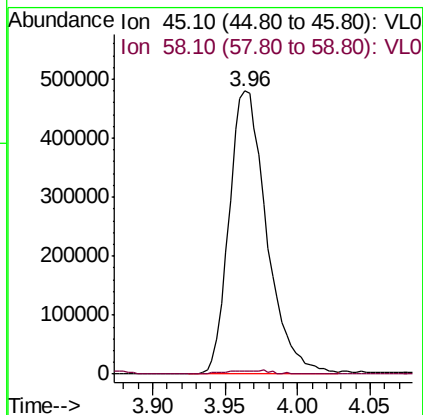
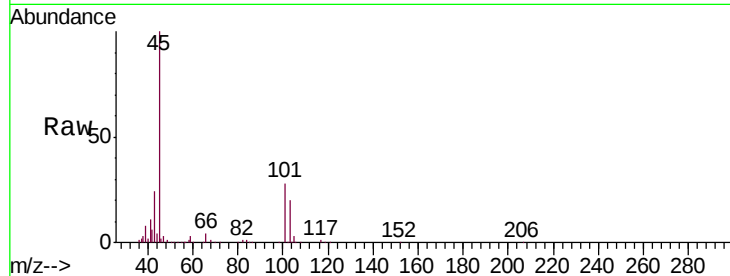


#19

Isopropyl Alcohol
 Concen: 12.550 ppbv
 RT: 3.96 min Scan# 366
 Delta R.T. 0.00 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

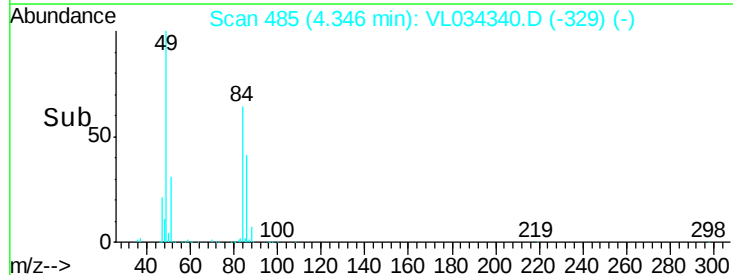
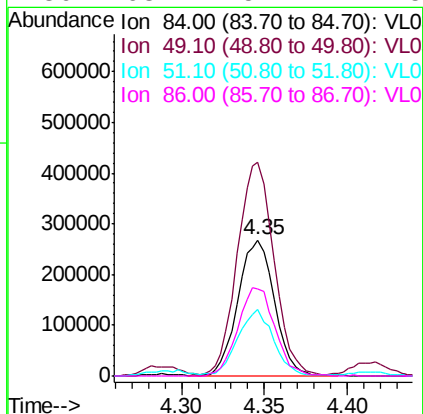
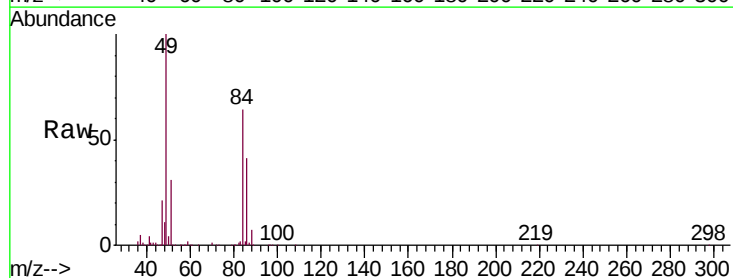
Tgt Ion: 45 Resp: 864816
 Ion Ratio Lower Upper
 45 100
 58 1.9 1.4 2.2

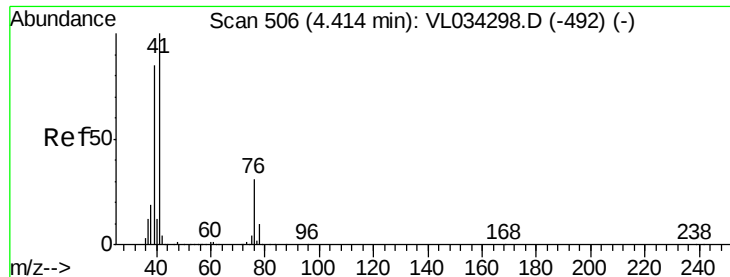


#20

Methylene Chloride
 Concen: 9.202 ppbv
 RT: 4.35 min Scan# 485
 Delta R.T. 0.00 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

Tgt Ion: 84 Resp: 410934
 Ion Ratio Lower Upper
 84 100
 49 155.0 118.5 177.7
 51 48.4 38.8 58.2
 86 63.7 51.7 77.5





#21

Allyl Chloride

Concen: 11.593 ppbv

RT: 4.41 min Scan# 506

Delta R.T. 0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

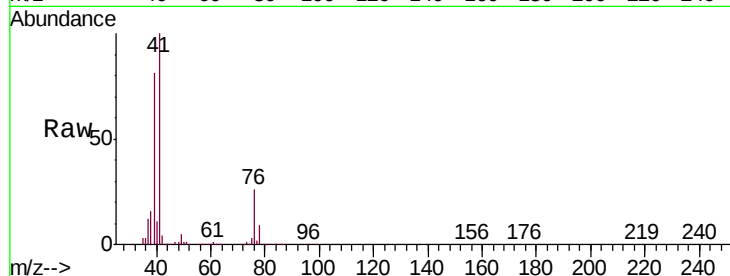
Tgt Ion: 41 Resp: 791686

Ion Ratio Lower Upper

41 100

76 28.3 22.8 34.2

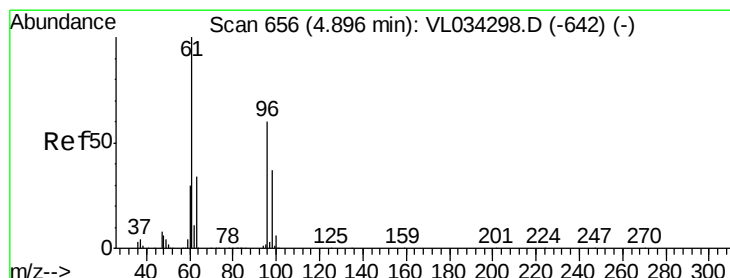
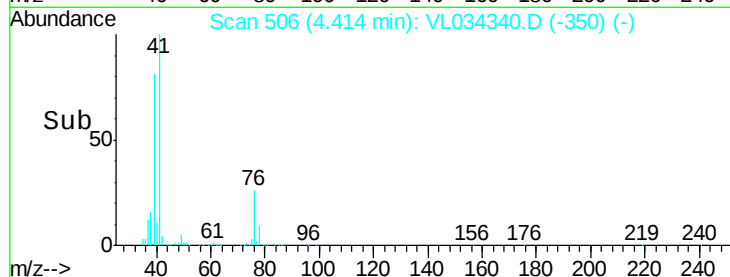
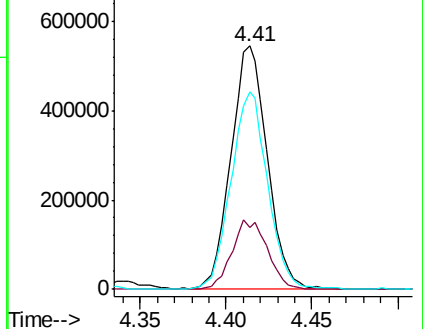
39 82.8 66.0 99.0



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: 11.588 ppbv

RT: 4.89 min Scan# 655

Delta R.T. -0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

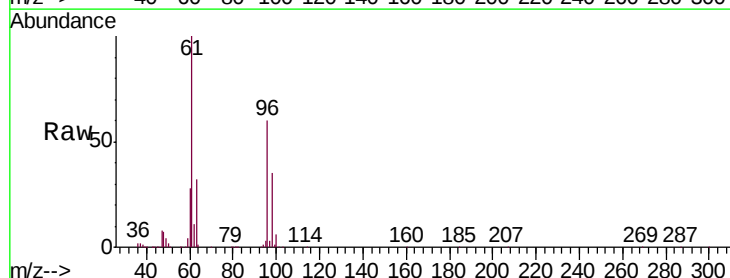
Tgt Ion: 96 Resp: 468665

Ion Ratio Lower Upper

96 100

61 166.8 133.8 200.6

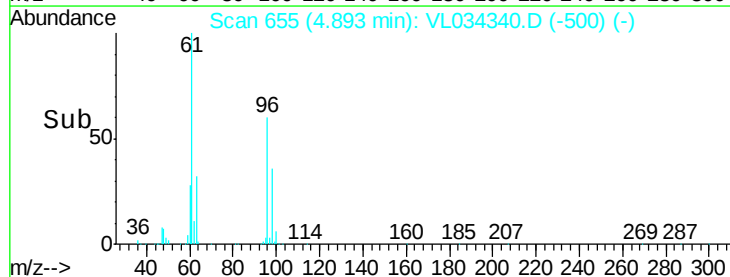
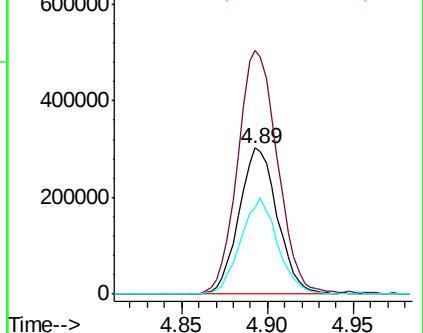
98 59.1 49.4 74.0

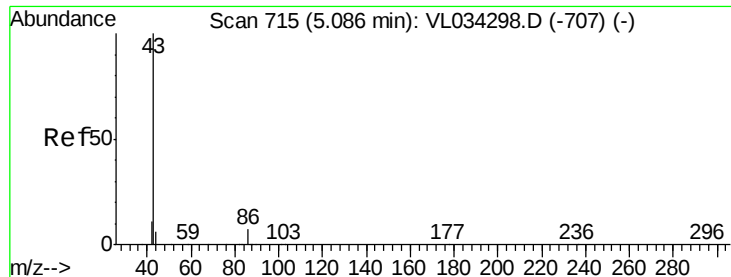


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 12.013 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1853236

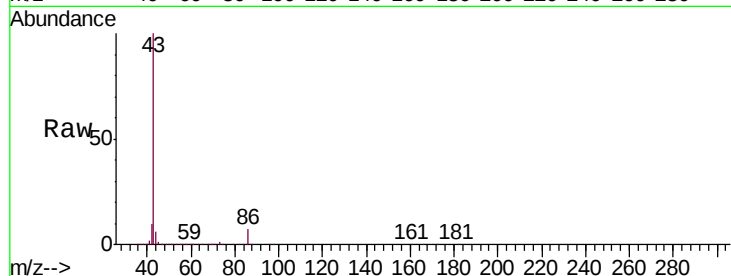
Ion Ratio Lower Upper

43 100

86 6.9 5.0 7.4

42 9.7 8.6 13.0

44 5.6 4.8 7.2

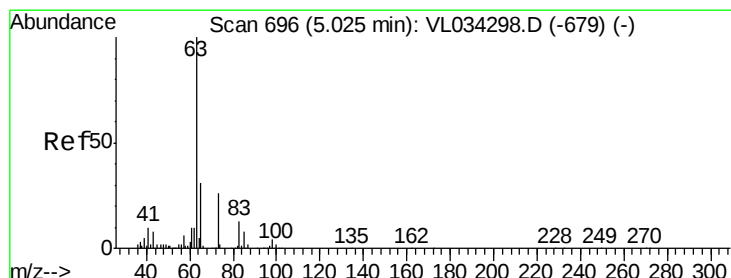
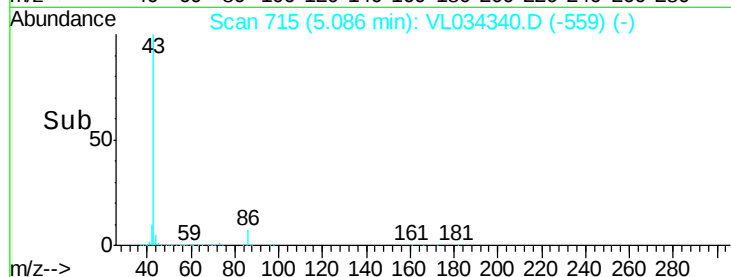
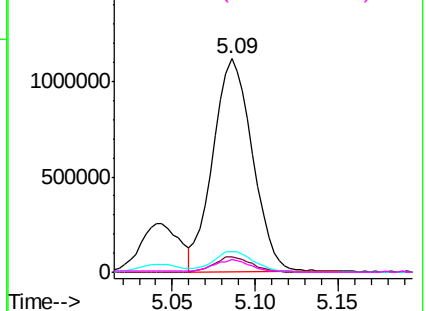


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 11.085 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

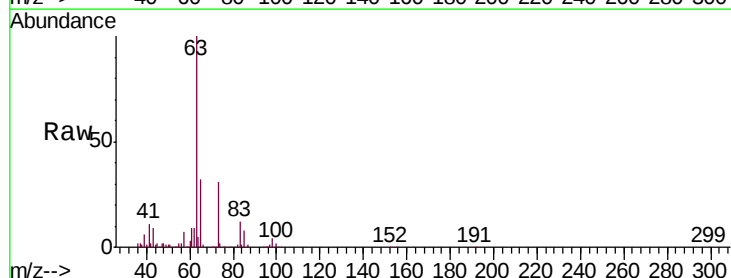
Tgt Ion: 63 Resp: 1269111

Ion Ratio Lower Upper

63 100

98 3.7 2.0 6.0

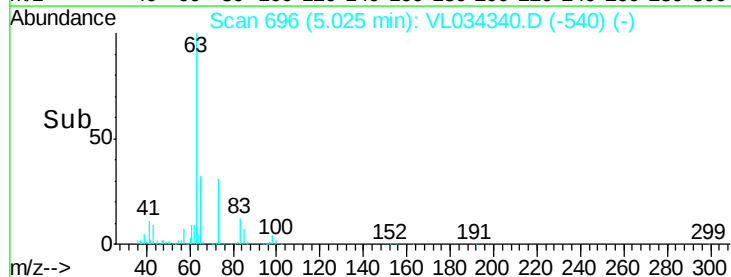
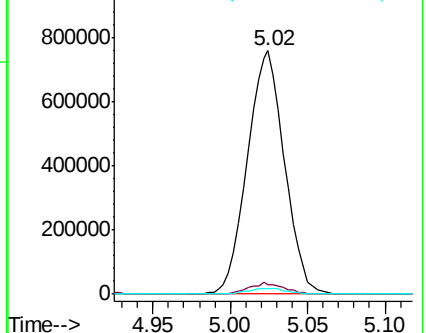
100 2.4 1.1 3.5

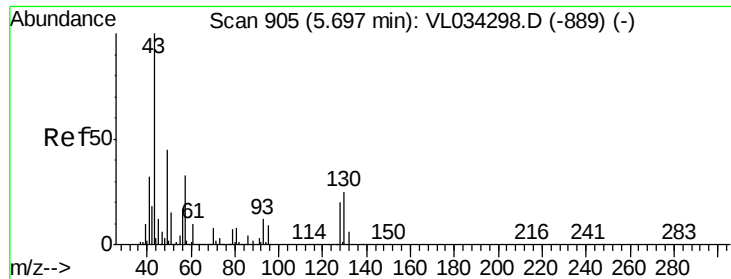


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



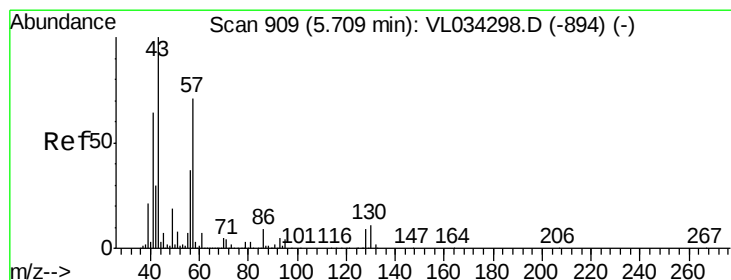
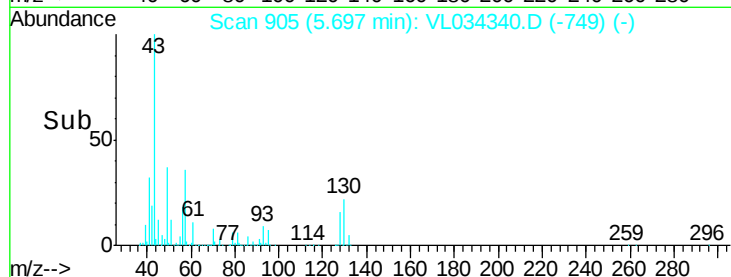
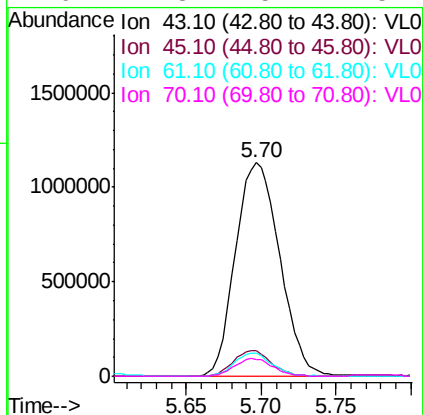
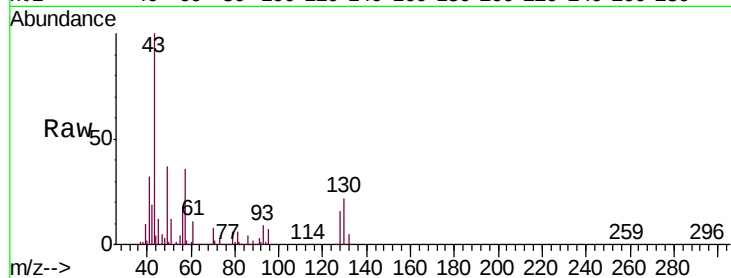


#25
Ethyl Acetate
Concen: 11.136 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.00 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 2322507

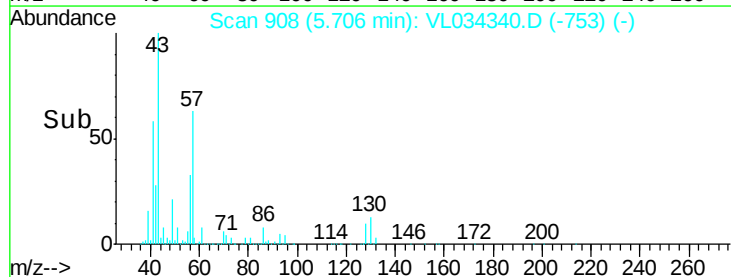
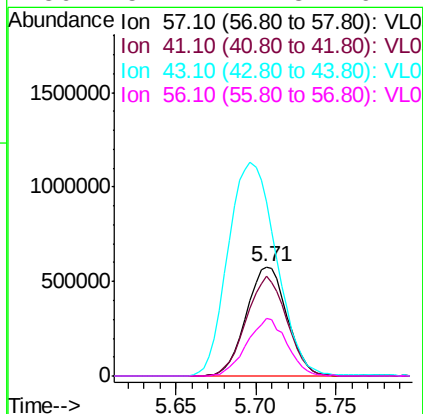
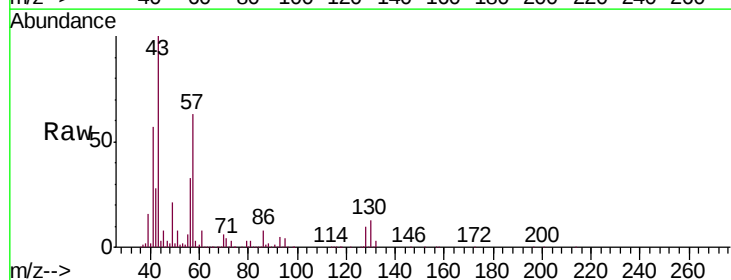
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.3	12.5
61	9.4	7.7	11.5
70	7.3	5.4	8.2

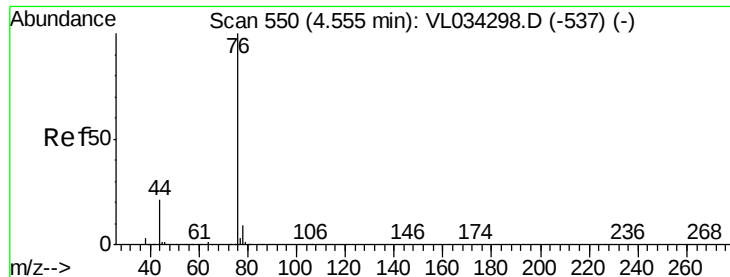


#26
Hexane
Concen: 11.374 ppbv
RT: 5.71 min Scan# 908
Delta R.T. -0.00 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

Tgt Ion: 57 Resp: 1011044

Ion	Ratio	Lower	Upper
57	100		
41	91.4	76.5	114.7
43	231.9	188.5	282.7
56	51.7	42.8	64.2

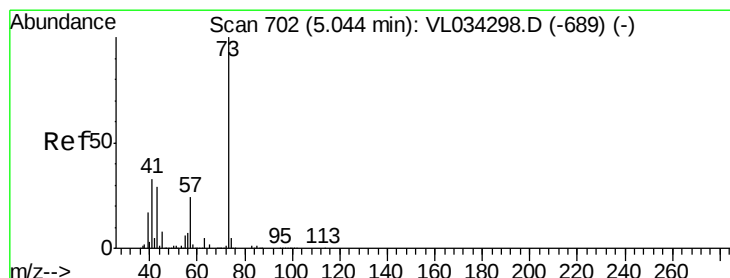
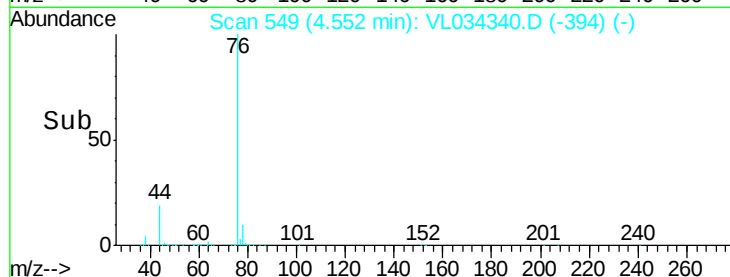
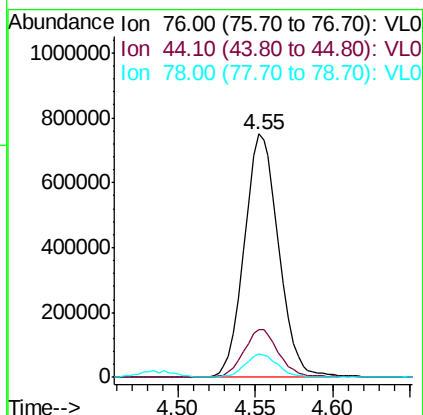
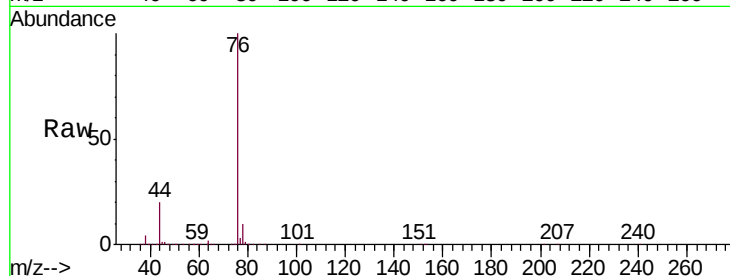




#27
Carbon Disulfide
Concen: 12.566 ppbv
RT: 4.55 min Scan# 549
Delta R.T. -0.00 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

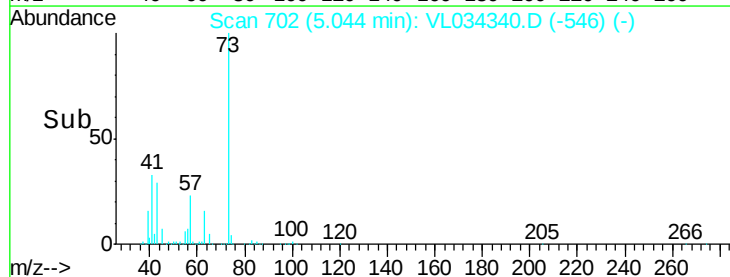
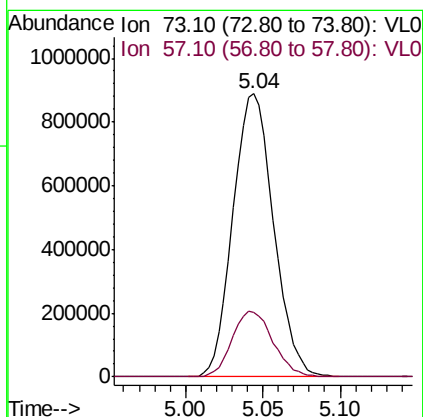
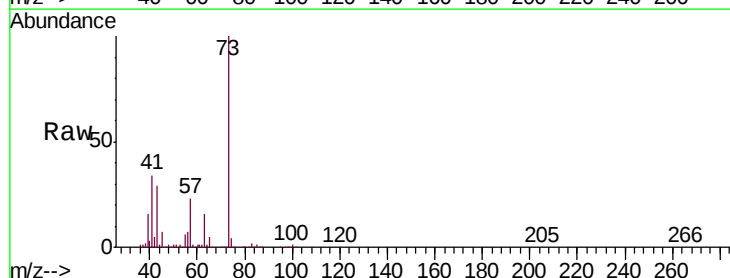
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

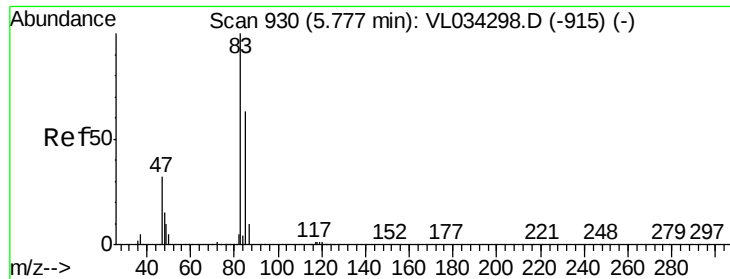
Tgt Ion: 76 Resp: 1159602
Ion Ratio Lower Upper
76 100
44 19.7 17.3 25.9
78 9.2 7.8 11.6



#28
Methyl tert-Butyl Ether
Concen: 12.078 ppbv
RT: 5.04 min Scan# 702
Delta R.T. 0.00 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

Tgt Ion: 73 Resp: 1624883
Ion Ratio Lower Upper
73 100
57 23.6 19.2 28.8

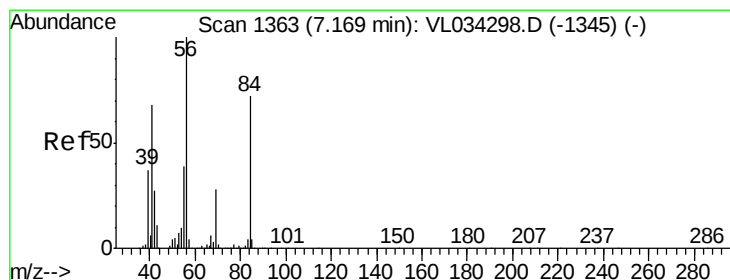
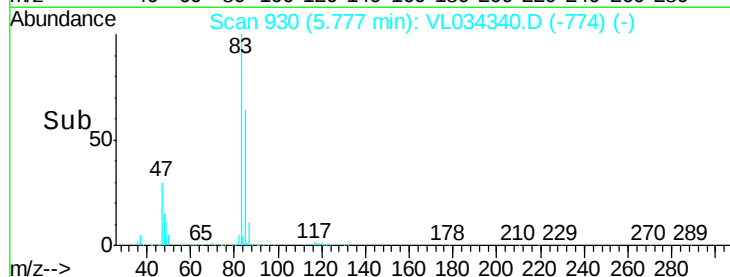
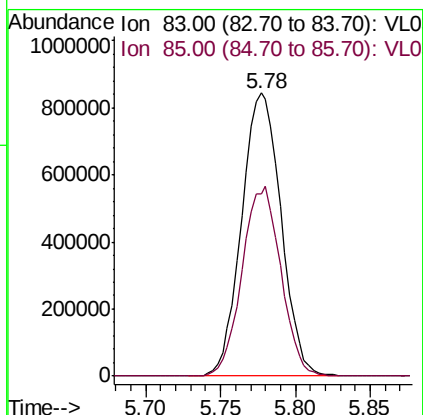
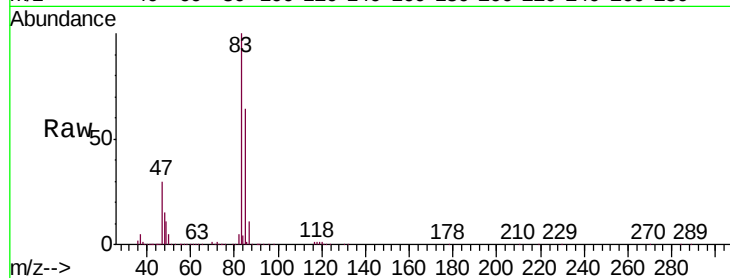




#29
Chloroform
Concen: 11.011 ppbv
RT: 5.78 min Scan# 930
Delta R.T. 0.00 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

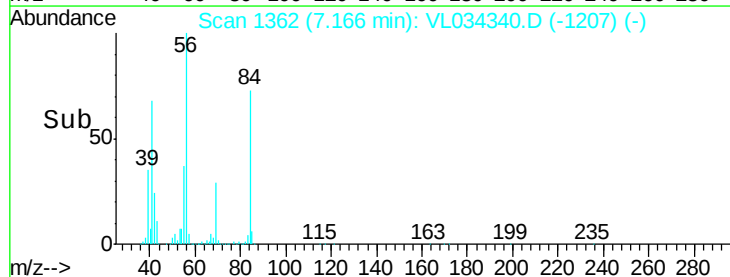
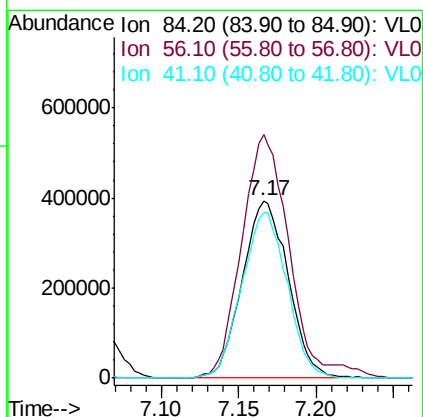
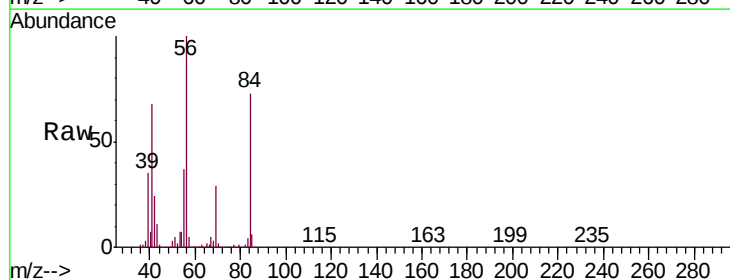
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

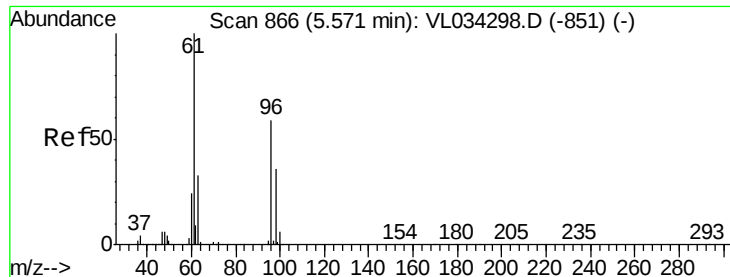
Tgt Ion: 83 Resp: 1548243
Ion Ratio Lower Upper
83 100
85 64.1 50.5 75.7



#30
Cyclohexane
Concen: 12.335 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

Tgt Ion: 84 Resp: 806383
Ion Ratio Lower Upper
84 100
56 144.3 119.4 179.0
41 93.3 78.7 118.1



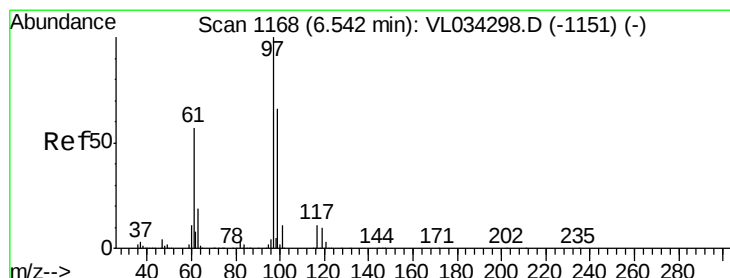
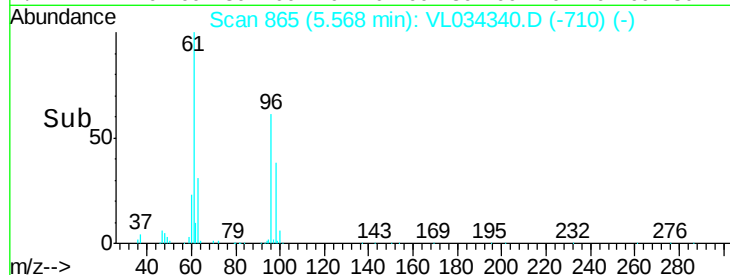
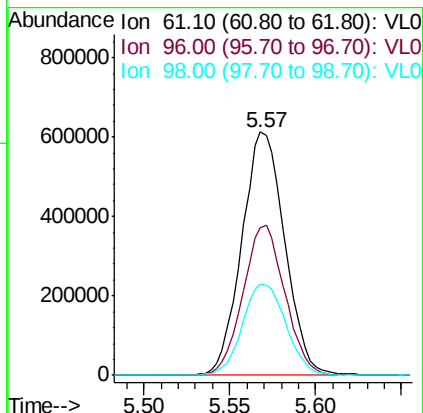
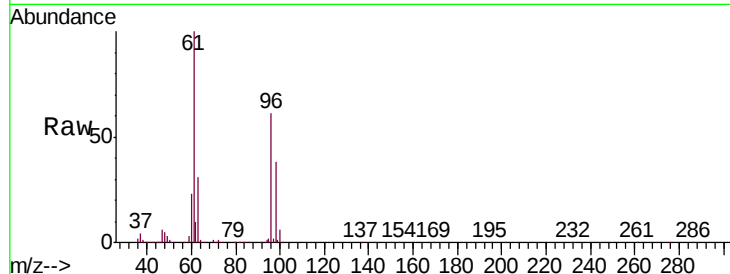


#31

cis-1,2-Dichloroethene
 Concen: 11.773 ppbv
 RT: 5.57 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

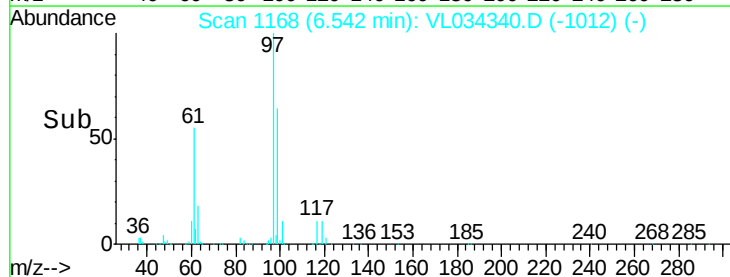
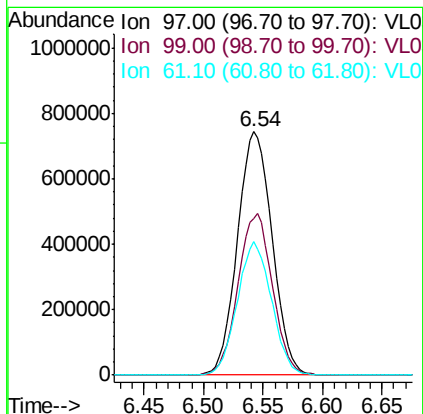
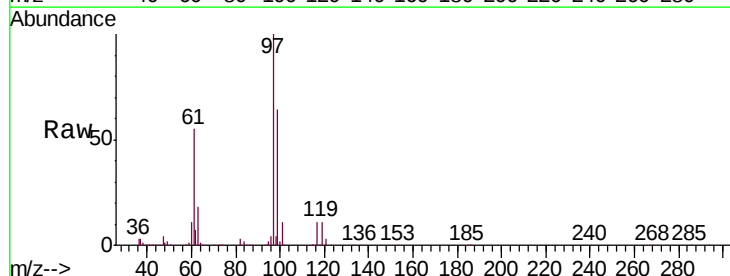
Tgt Ion: 61 Resp: 1062074
 Ion Ratio Lower Upper
 61 100
 96 60.5 47.5 71.3
 98 37.6 28.8 43.2

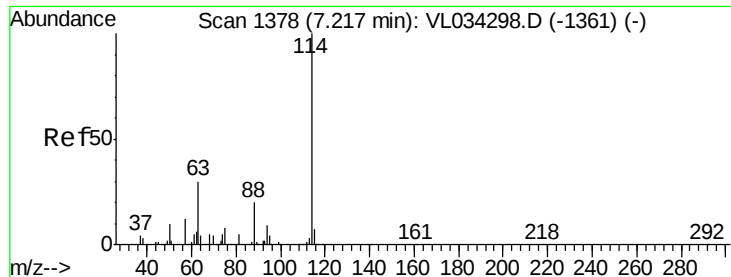


#32

1,1,1-Trichloroethane
 Concen: 11.015 ppbv
 RT: 6.54 min Scan# 1168
 Delta R.T. 0.00 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

Tgt Ion: 97 Resp: 1506121
 Ion Ratio Lower Upper
 97 100
 99 65.8 52.6 78.8
 61 53.9 44.5 66.7

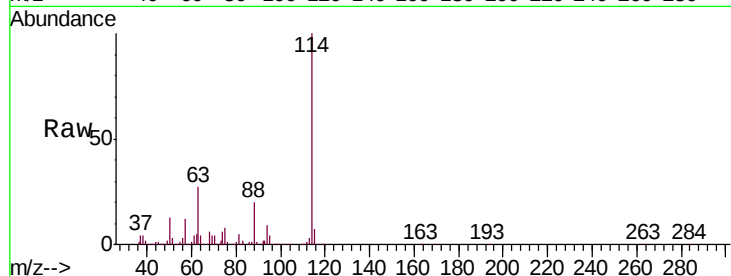




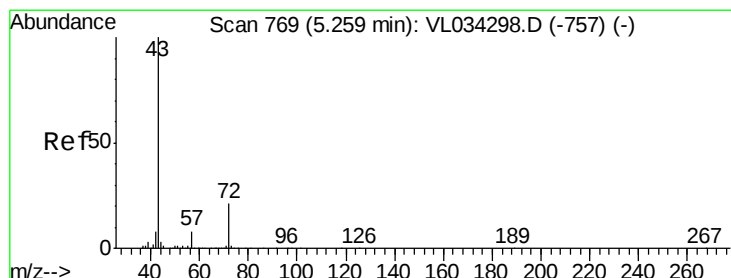
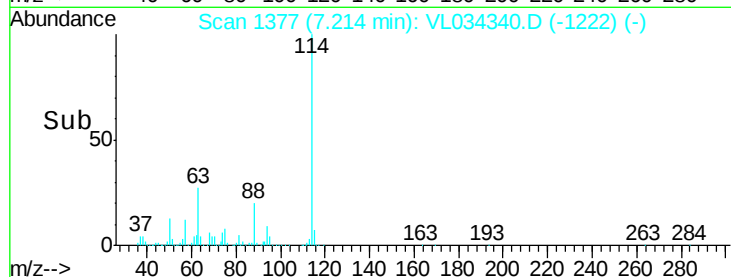
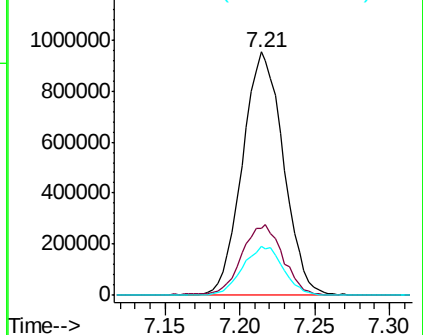
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 114 Resp: 1814944
 Ion Ratio Lower Upper
 114 100
 63 29.5 25.2 37.8
 88 20.0 16.0 24.0

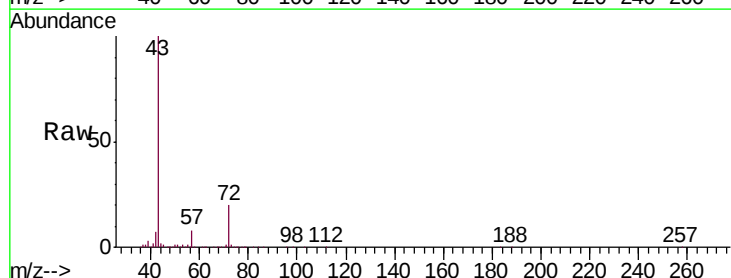


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

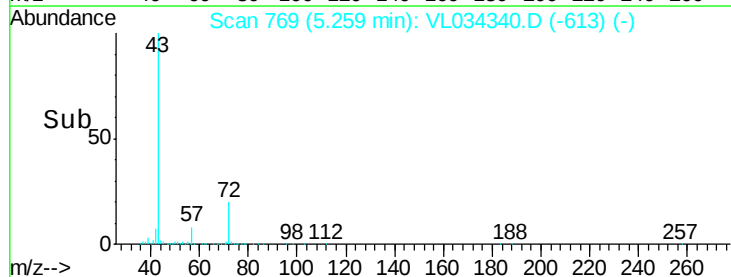
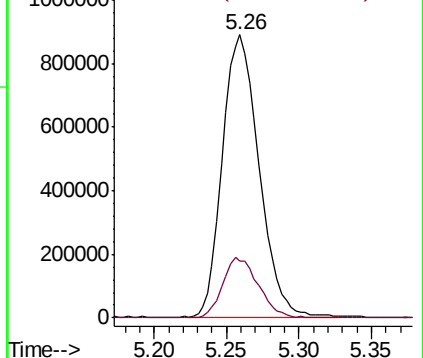


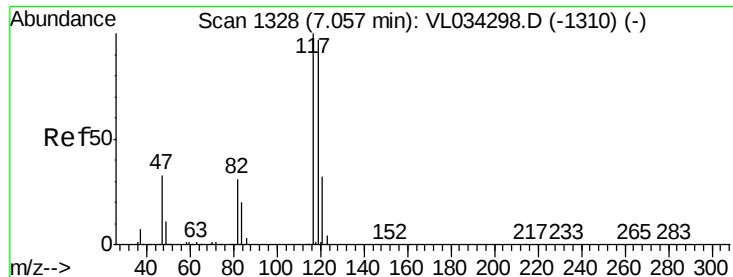
#34
 2-Butanone
 Concen: 10.489 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. 0.00 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

Tgt Ion: 43 Resp: 1555986
 Ion Ratio Lower Upper
 43 100
 72 20.8 16.3 24.5



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

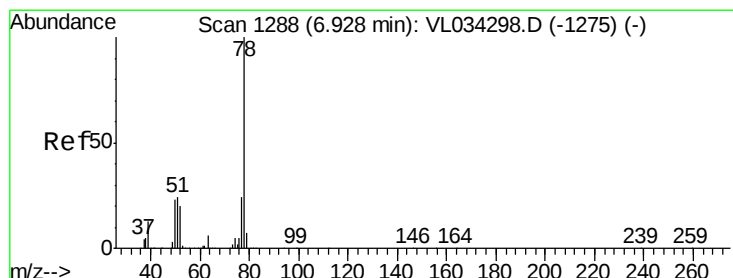
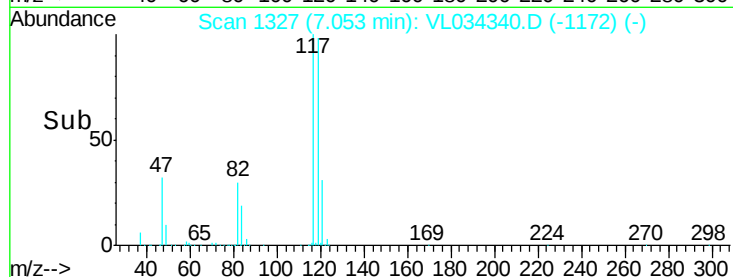
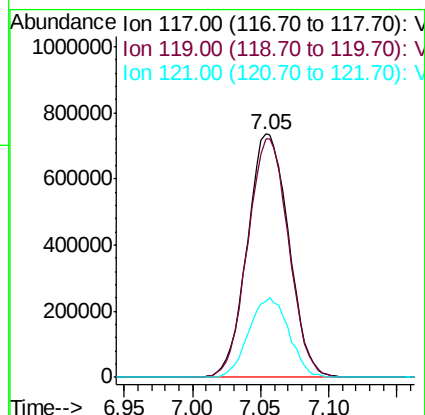
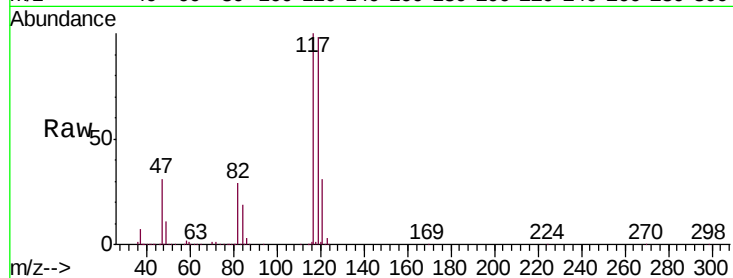




#35
Carbon Tetrachloride
Concen: 9.771 ppbv
RT: 7.05 min Scan# 1327
Delta R.T. -0.00 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

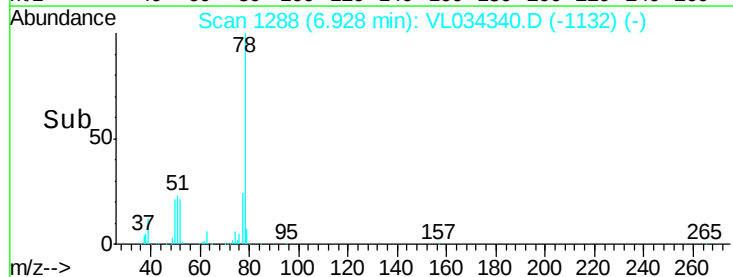
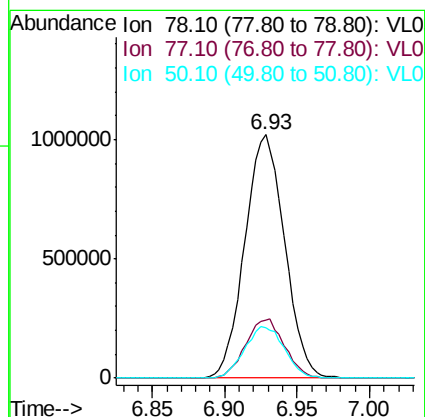
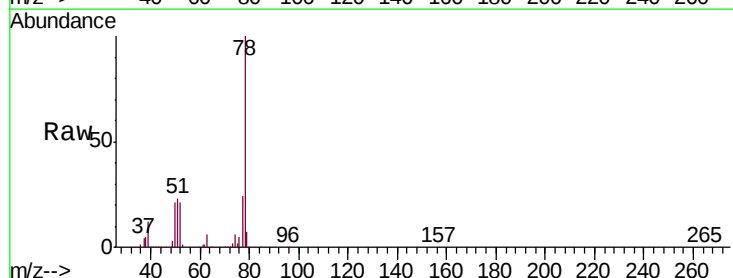
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

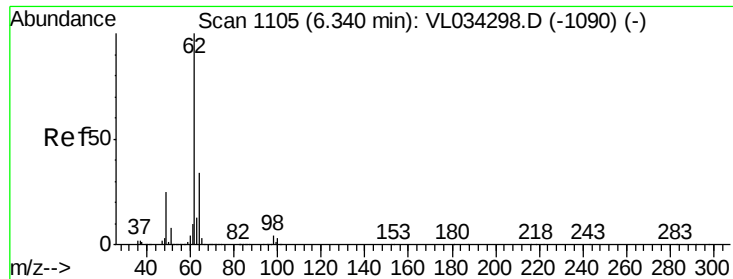
Tgt Ion: 117 Resp: 1544678
Ion Ratio Lower Upper
117 100
119 97.8 77.3 115.9
121 30.9 25.5 38.3



#36
Benzene
Concen: 11.201 ppbv
RT: 6.93 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

Tgt Ion: 78 Resp: 1950527
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.4
50 20.6 18.6 27.8

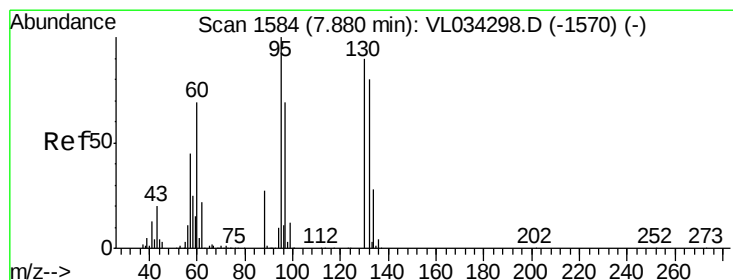
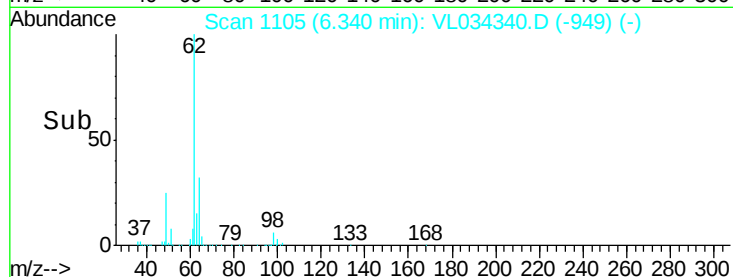
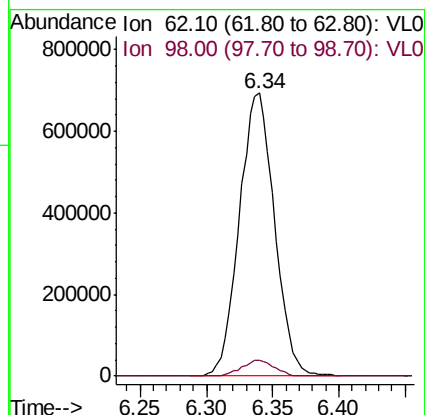
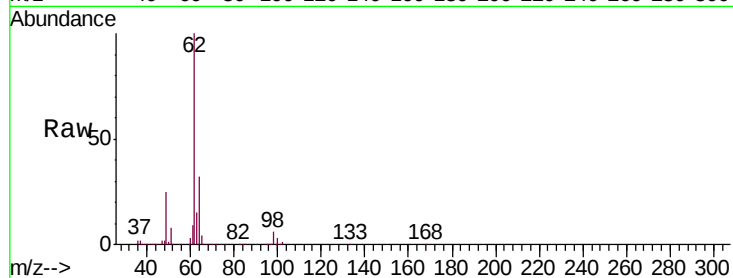




#37
 1,2-Dichloroethane
 Concen: 9.842 ppbv
 RT: 6.34 min Scan# 1105
 Delta R.T. 0.00 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

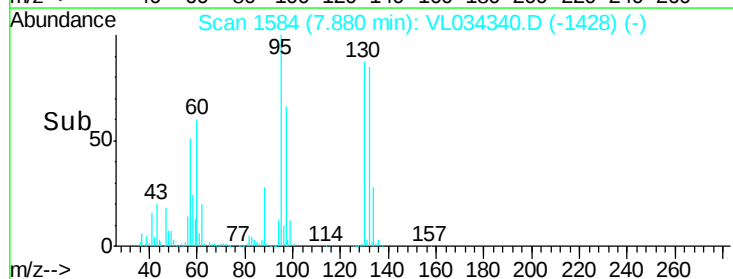
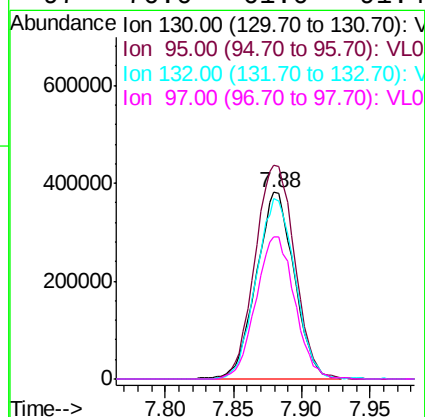
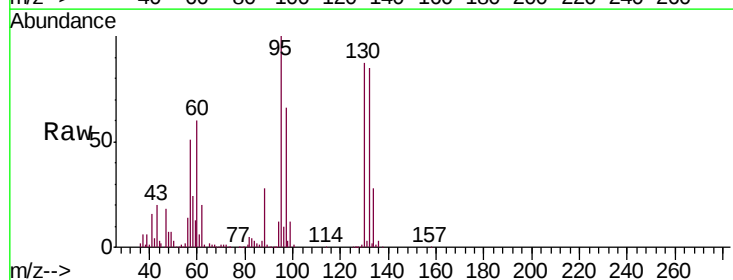
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

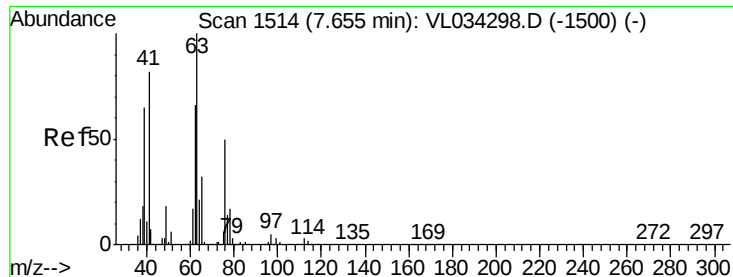
Tgt Ion: 62 Resp: 1277285
 Ion Ratio Lower Upper
 62 100
 98 5.4 3.8 5.6



#38
 Trichloroethene
 Concen: 10.485 ppbv
 RT: 7.88 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

Tgt Ion: 130 Resp: 732669
 Ion Ratio Lower Upper
 130 100
 95 114.6 88.6 132.8
 132 97.1 71.2 106.8
 97 76.0 61.0 91.4

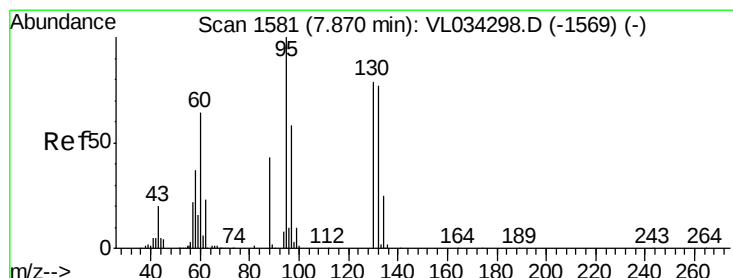
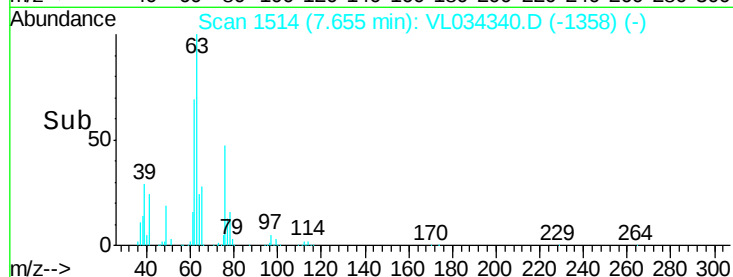
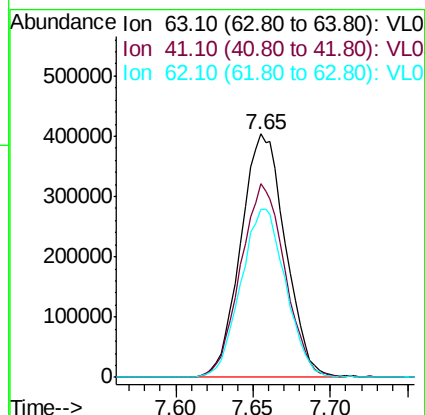
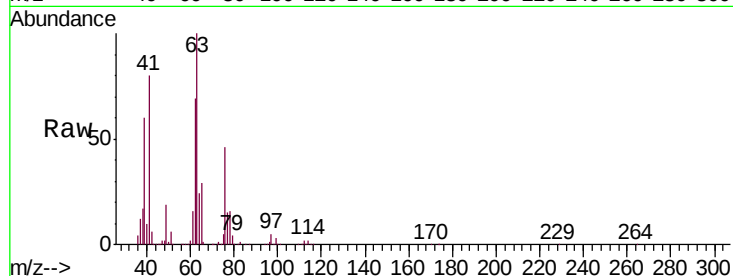




#39
 1,2-Dichloropropane
 Concen: 10.809 ppbv
 RT: 7.65 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

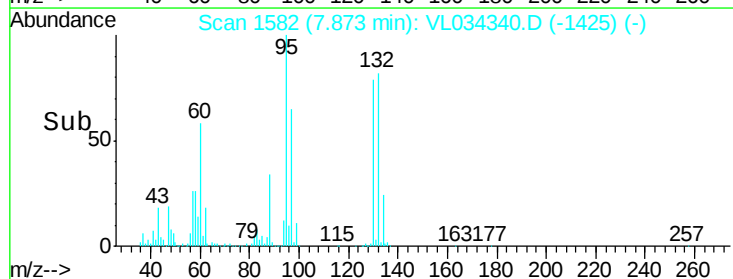
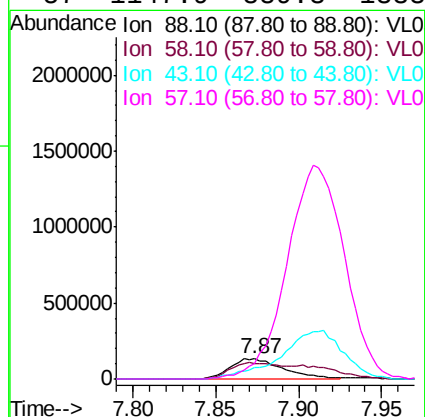
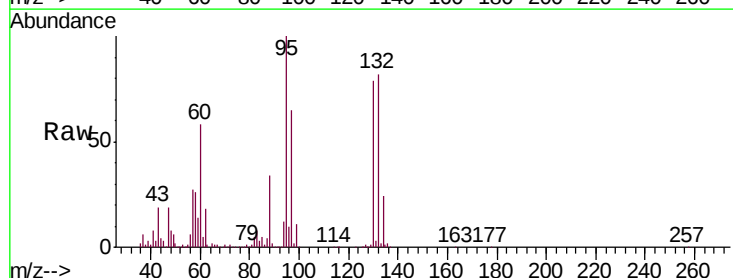
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

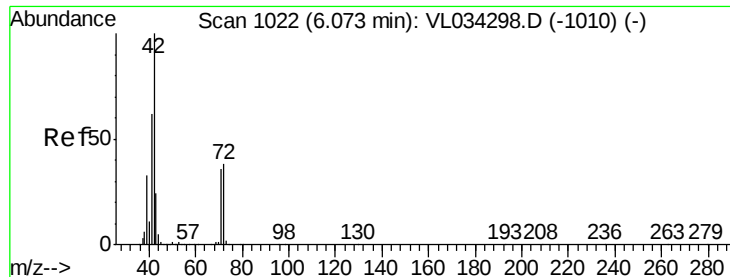
Tgt Ion: 63 Resp: 810500
 Ion Ratio Lower Upper
 63 100
 41 79.6 65.6 98.4
 62 68.7 53.0 79.6



#40
 1,4-Dioxane
 Concen: 11.251 ppbv
 RT: 7.87 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

Tgt Ion: 88 Resp: 296482
 Ion Ratio Lower Upper
 88 100
 58 138.5 110.3 165.5
 43 283.4 228.1 342.1
 57 1147.9 889.3 1333.9





#41

Tetrahydrofuran

Concen: 11.162 ppbv

RT: 6.07 min Scan# 1021

Delta R.T. -0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

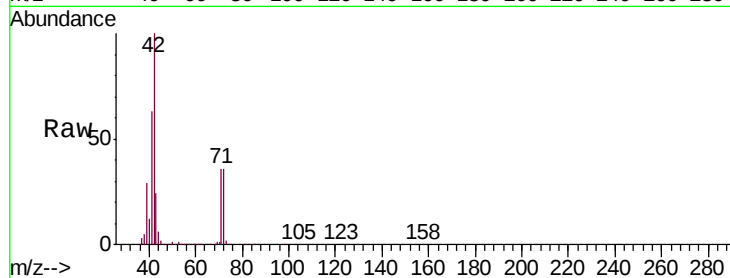
Tgt Ion: 42 Resp: 918965

Ion Ratio Lower Upper

42 100

72 36.9 28.0 42.0

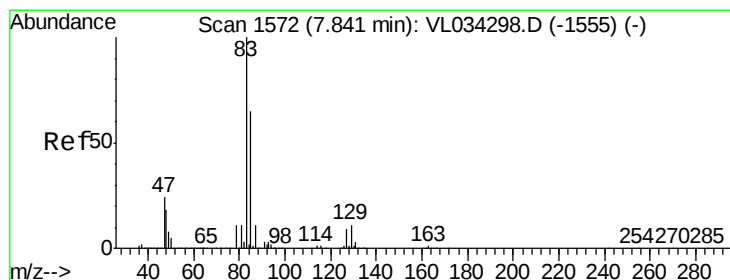
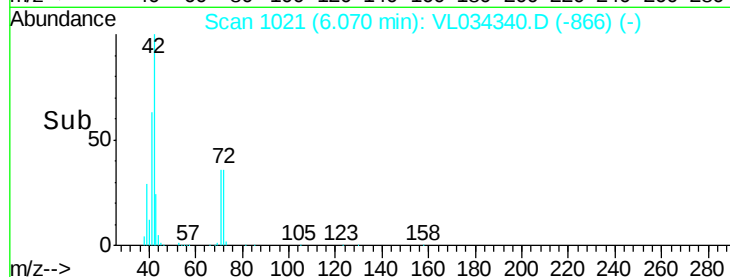
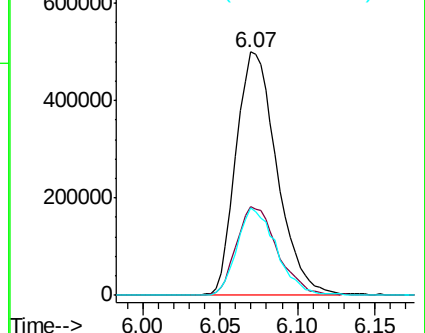
71 34.8 27.3 40.9



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: 10.702 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

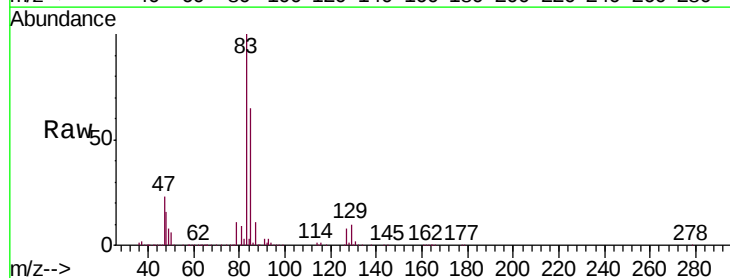
Tgt Ion: 83 Resp: 1701233

Ion Ratio Lower Upper

83 100

85 64.5 51.8 77.6

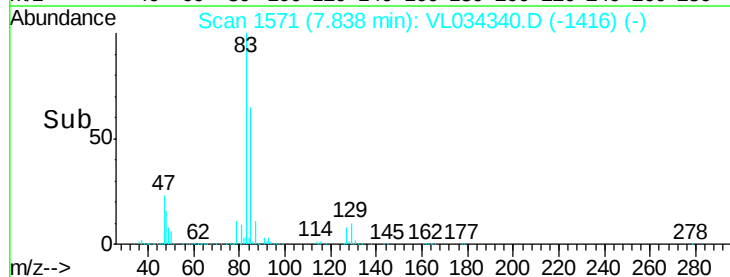
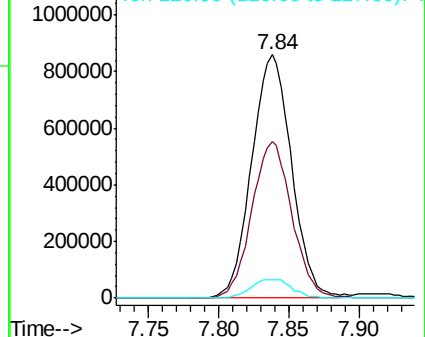
127 7.6 7.0 10.6

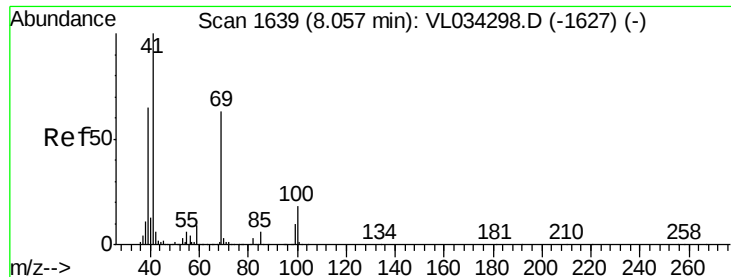


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 11.524 ppbv

RT: 8.06 min Scan# 1640

Delta R.T. 0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

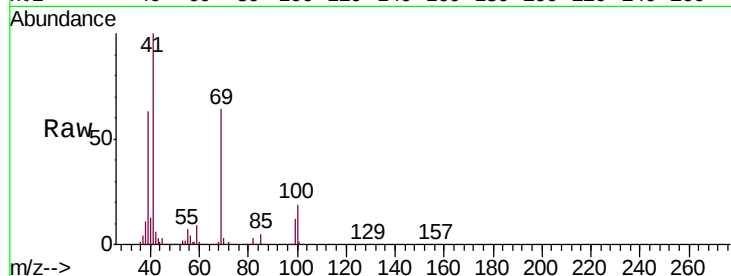
Tgt Ion: 69 Resp: 829991

Ion Ratio Lower Upper

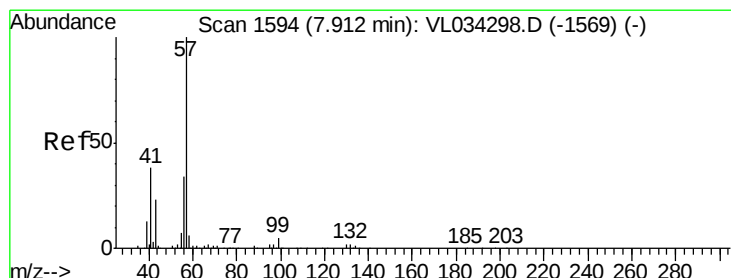
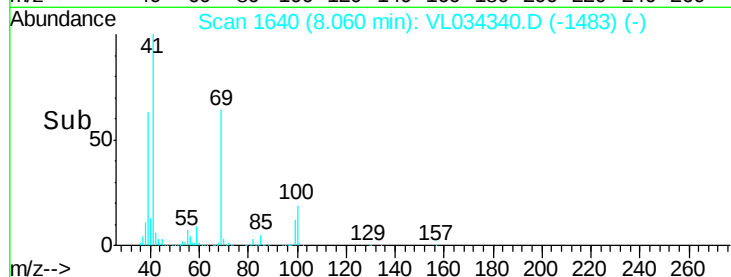
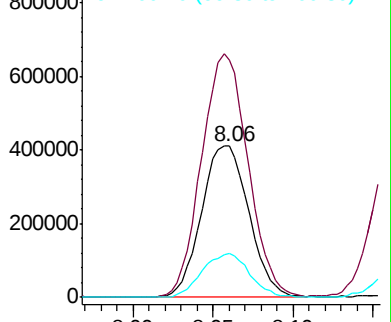
69 100

41 158.0 132.1 198.1

100 29.2 23.2 34.8



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 10.543 ppbv

RT: 7.91 min Scan# 1593

Delta R.T. -0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

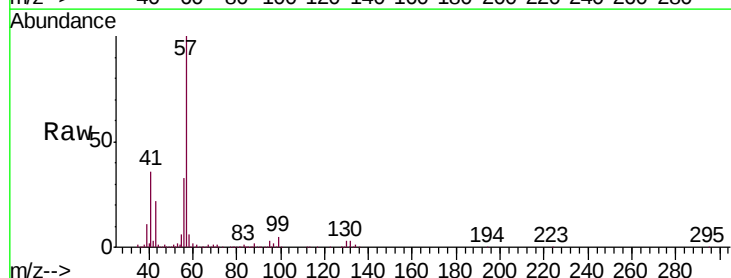
Tgt Ion: 57 Resp: 3398129

Ion Ratio Lower Upper

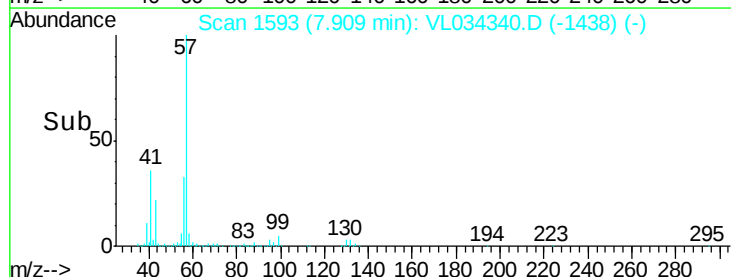
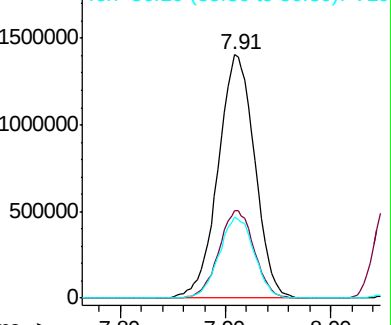
57 100

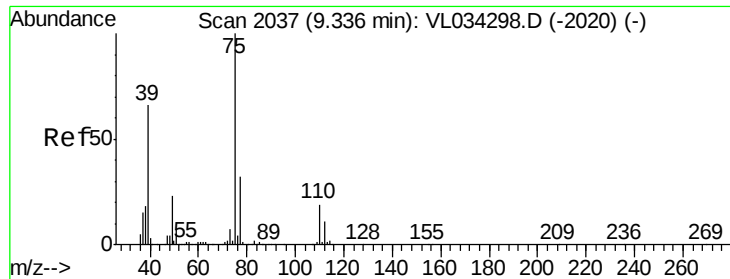
41 34.8 29.3 43.9

56 31.9 25.3 37.9



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

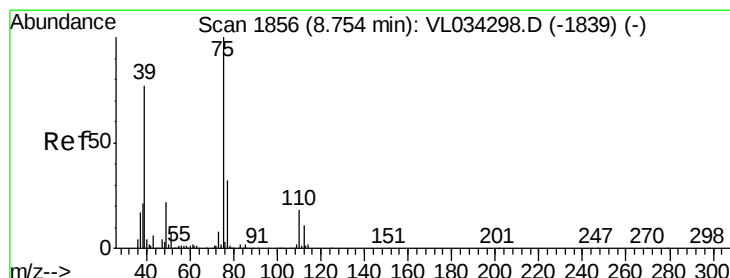
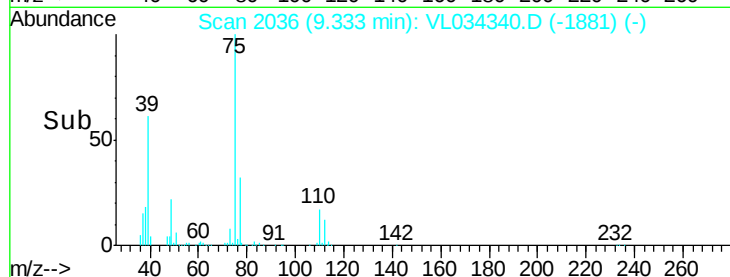
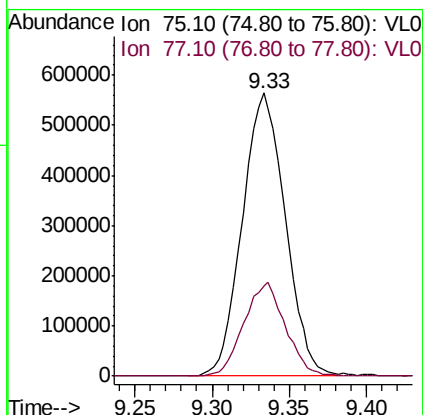
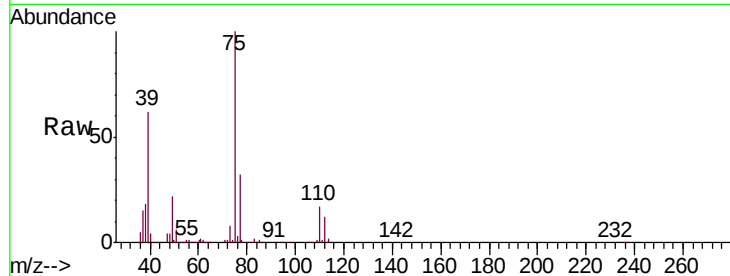




#45
t-1,3-Dichloropropene
Concen: 12.434 ppbv
RT: 9.33 min Scan# 2036
Delta R.T. -0.00 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

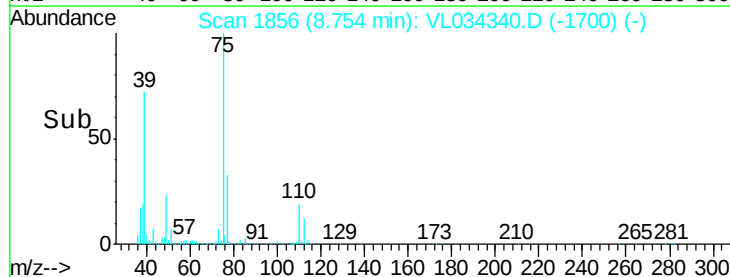
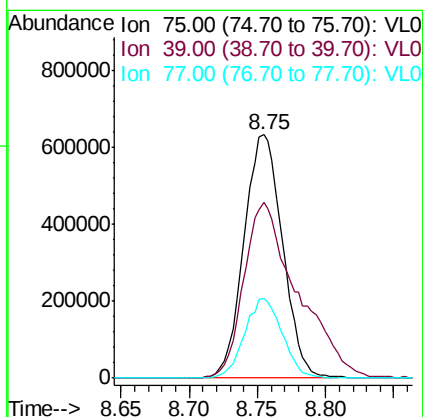
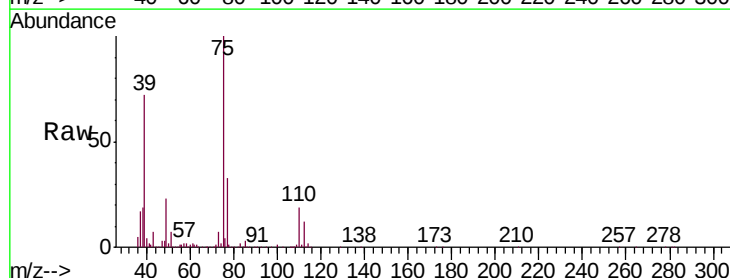
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

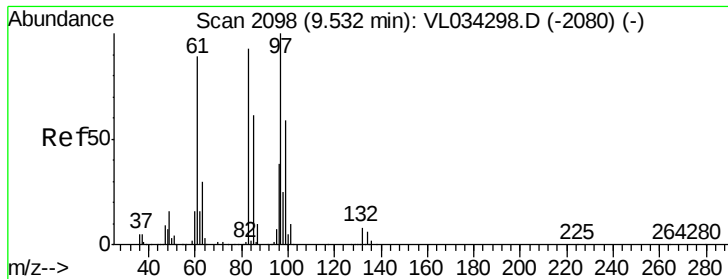
Tgt Ion: 75 Resp: 1091055
Ion Ratio Lower Upper
75 100
77 32.0 25.6 38.4



#46
cis-1,3-Dichloropropene
Concen: 12.365 ppbv
RT: 8.75 min Scan# 1856
Delta R.T. 0.00 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

Tgt Ion: 75 Resp: 1246506
Ion Ratio Lower Upper
75 100
39 72.2 61.2 91.8
77 32.6 25.9 38.9





#47

1,1,2-Trichloroethane

Concen: 10.642 ppbv

RT: 9.53 min Scan# 2098

Delta R.T. 0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 97 Resp: 808292

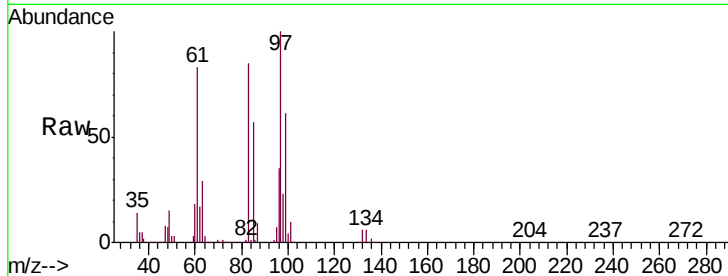
Ion Ratio Lower Upper

97 100

83 85.3 74.2 111.2

85 57.2 48.6 73.0

99 61.3 47.0 70.6



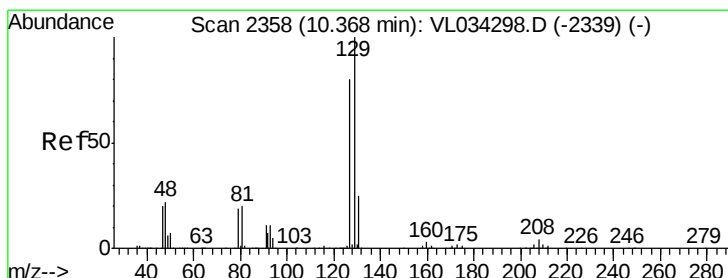
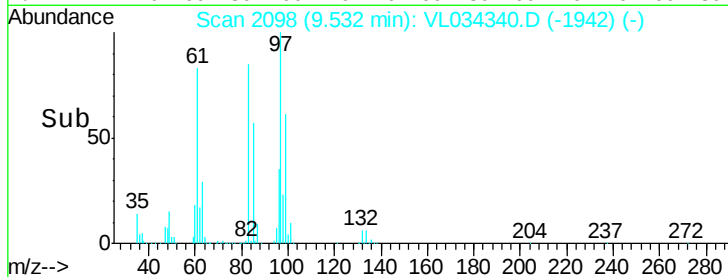
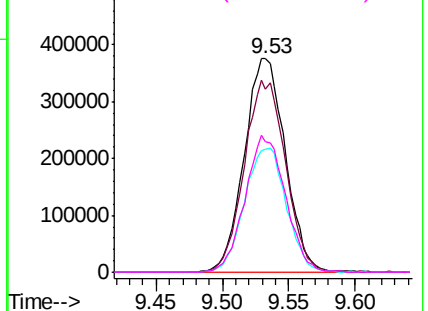
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 11.134 ppbv

RT: 10.37 min Scan# 2357

Delta R.T. -0.00 min

Lab File: VL034340.D

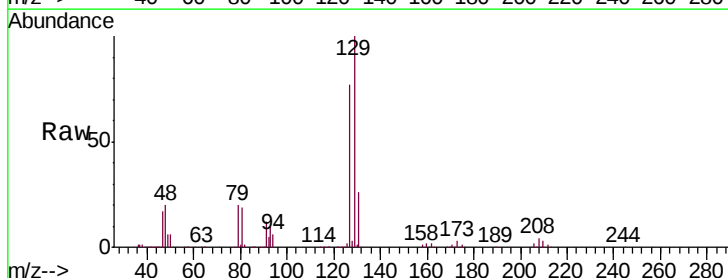
Acq: 18 Oct 2019 12:05

Tgt Ion: 129 Resp: 1387149

Ion Ratio Lower Upper

129 100

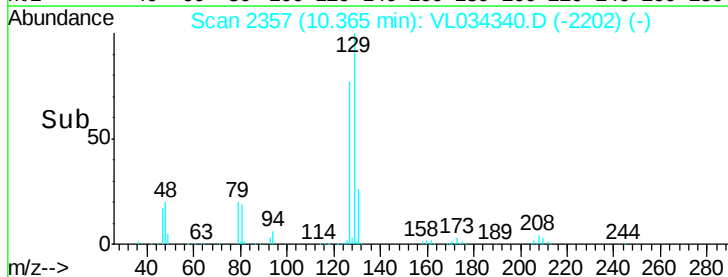
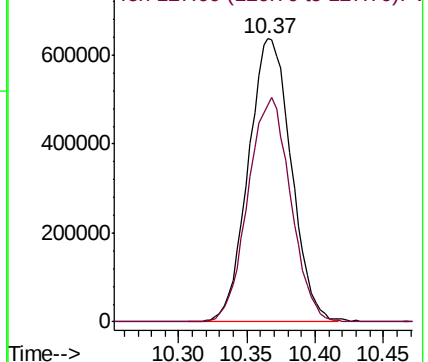
127 79.1 39.7 119.1

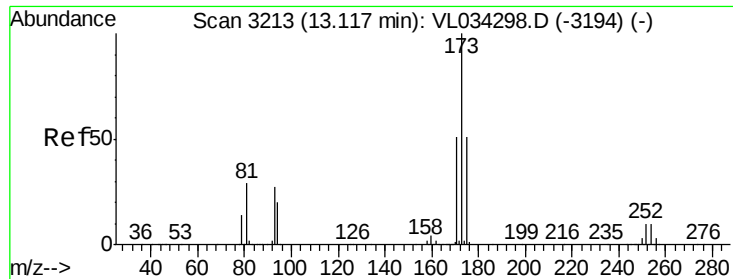


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.380 ppbv

RT: 13.11 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

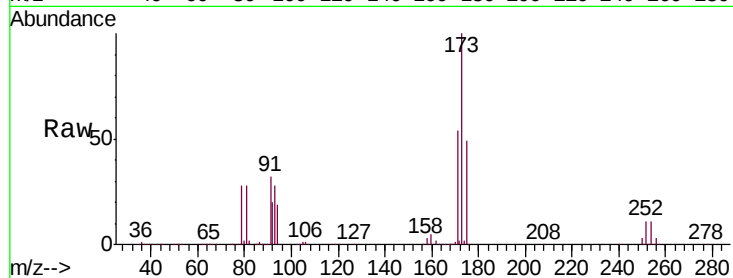
Tgt Ion:173 Resp: 1256340

Ion Ratio Lower Upper

173 100

175 50.0 39.8 59.6

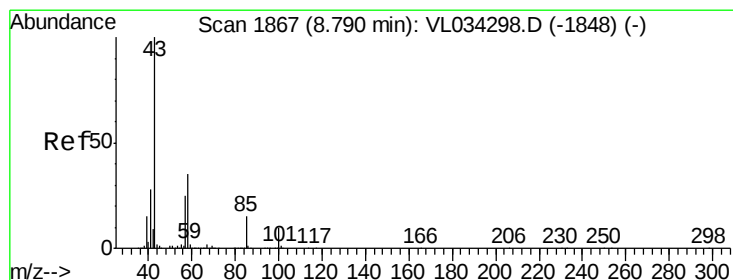
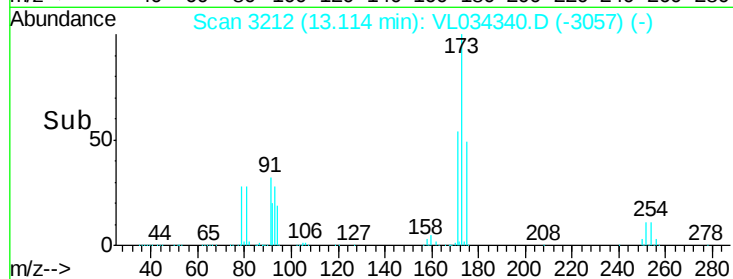
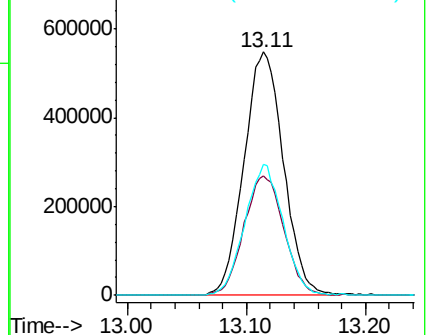
171 52.6 41.8 62.6



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: 10.870 ppbv

RT: 8.79 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VL034340.D

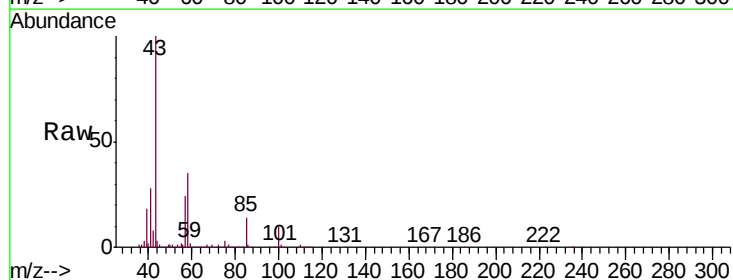
Acq: 18 Oct 2019 12:05

Tgt Ion: 43 Resp: 2308502

Ion Ratio Lower Upper

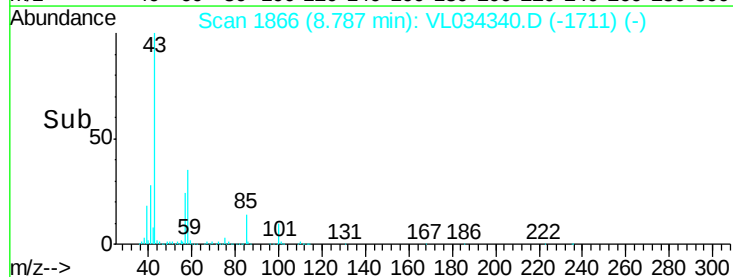
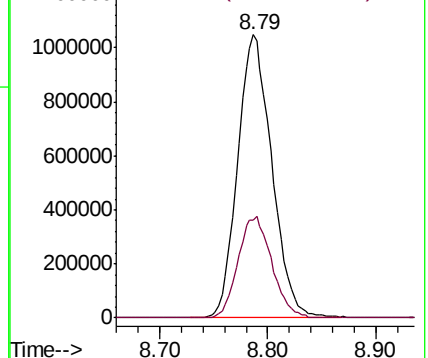
43 100

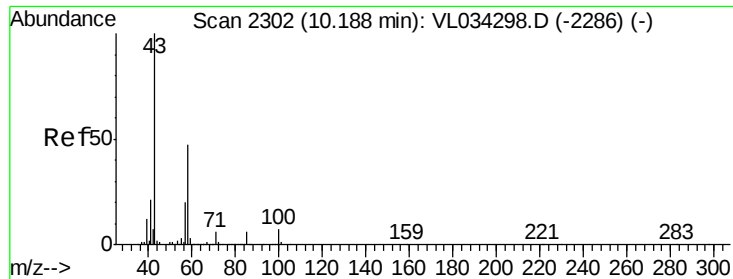
58 35.6 27.6 41.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

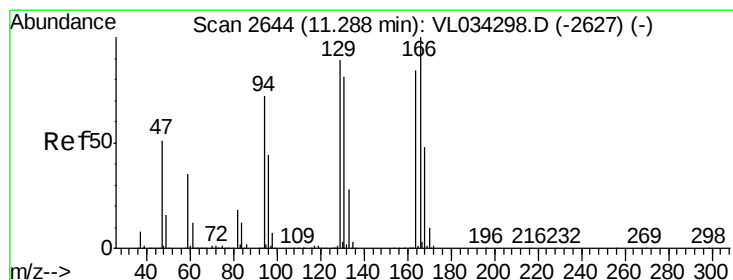
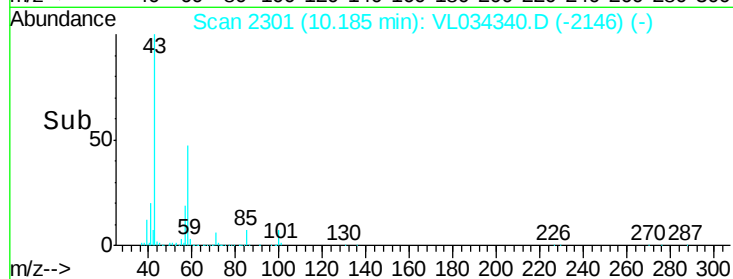
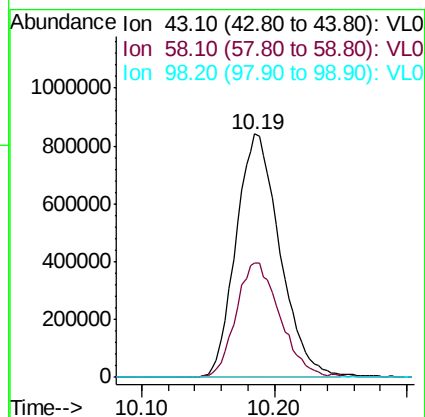
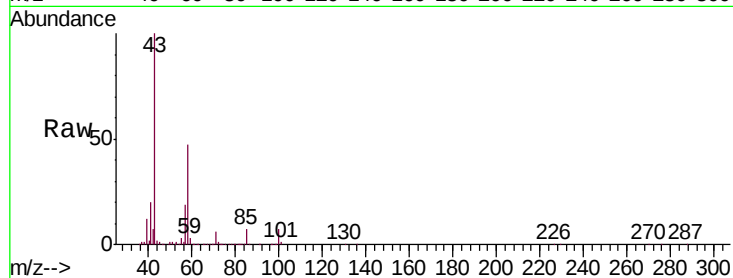




#51
2-Hexanone
Concen: 11.113 ppbv
RT: 10.19 min Scan# 2301
Delta R.T. -0.00 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

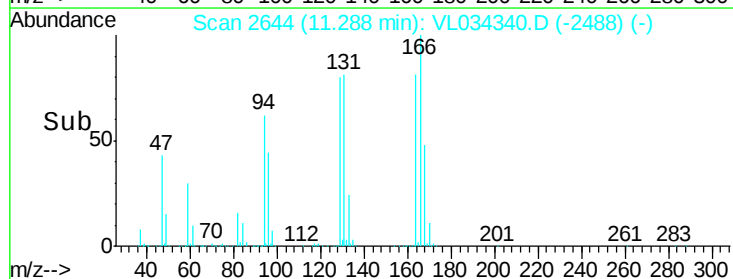
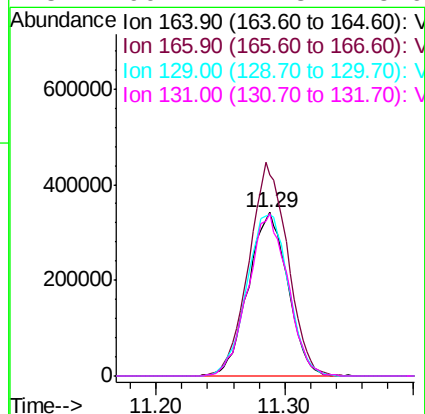
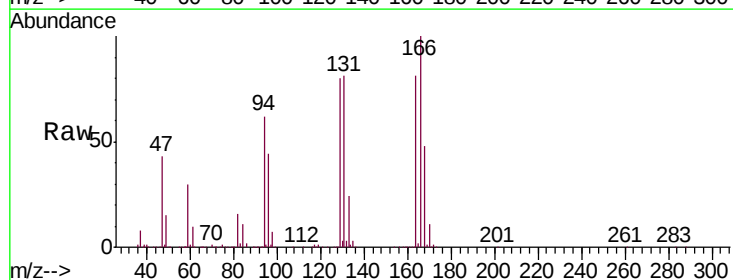
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

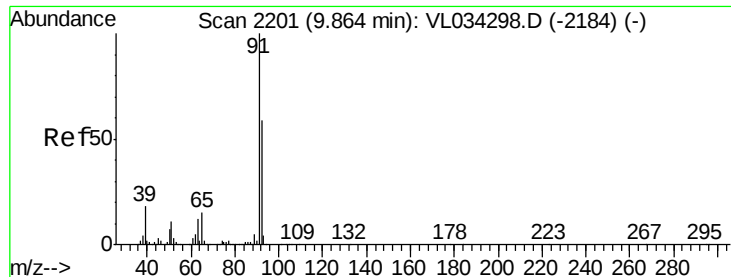
Tgt Ion: 43 Resp: 1934730
Ion Ratio Lower Upper
43 100
58 47.6 37.0 55.6
98 0.1 0.2 0.2#



#52
Tetrachloroethene
Concen: 10.688 ppbv
RT: 11.29 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

Tgt Ion: 164 Resp: 729562
Ion Ratio Lower Upper
164 100
166 122.9 95.3 142.9
129 98.6 84.5 126.7
131 99.4 77.3 115.9





#53

Toluene

Concen: 11.784 ppbv

RT: 9.86 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_L

ClientSampleId :

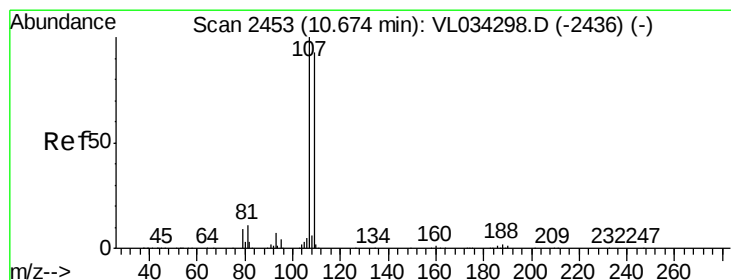
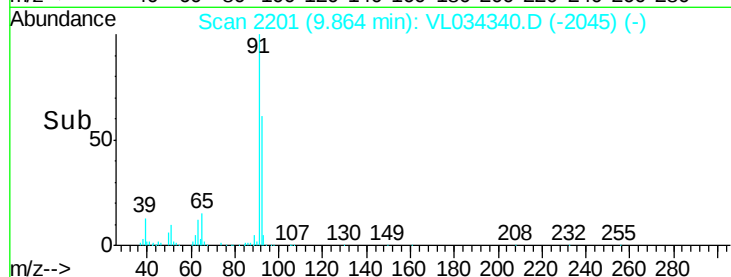
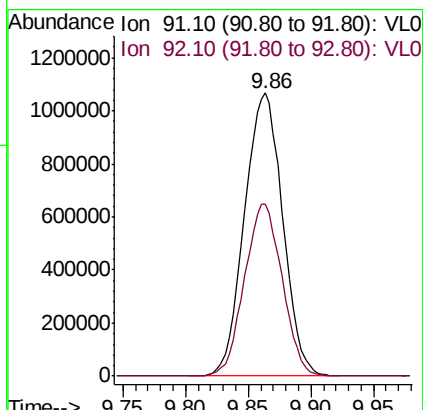
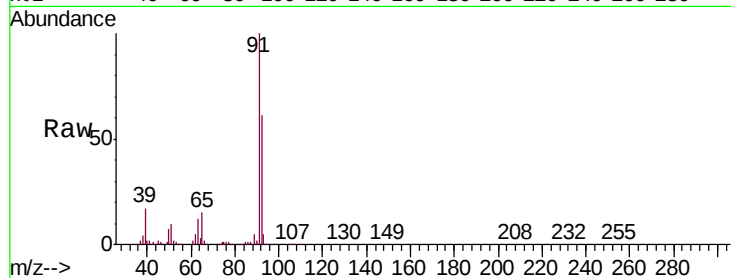
VSTDCCC010EC

Tgt Ion: 91 Resp: 2264499

Ion Ratio Lower Upper

91 100

92 60.1 48.4 72.6



#54

1,2-Dibromoethane

Concen: 10.812 ppbv

RT: 10.67 min Scan# 2453

Delta R.T. 0.00 min

Lab File: VL034340.D

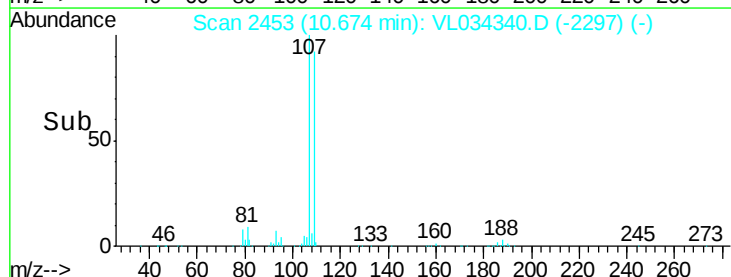
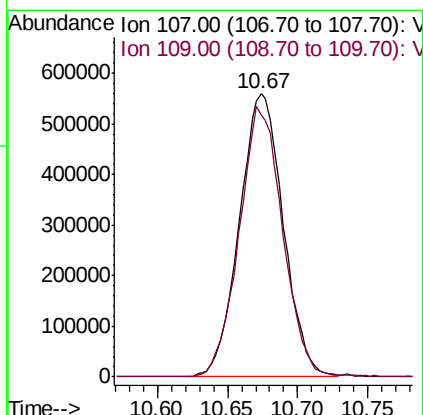
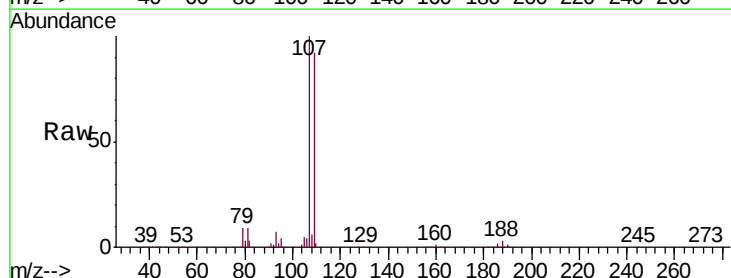
Acq: 18 Oct 2019 12:05

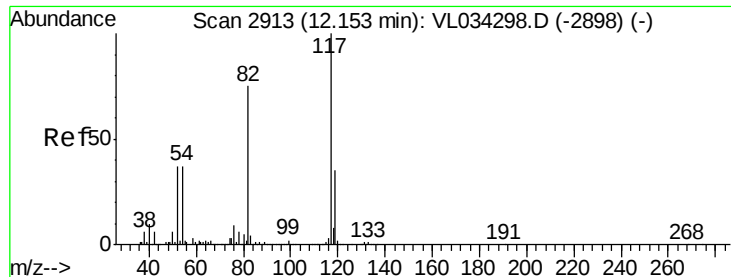
Tgt Ion: 107 Resp: 1217118

Ion Ratio Lower Upper

107 100

109 92.2 74.6 112.0

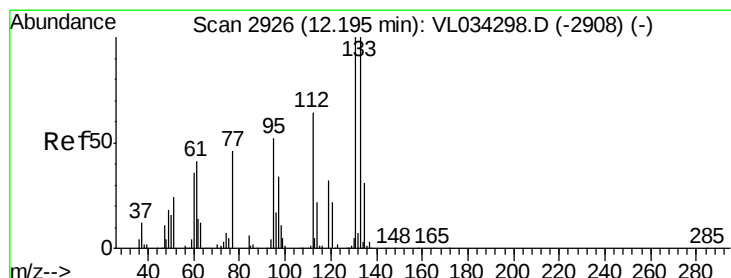
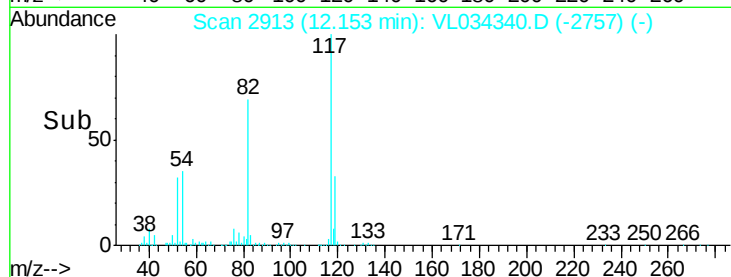
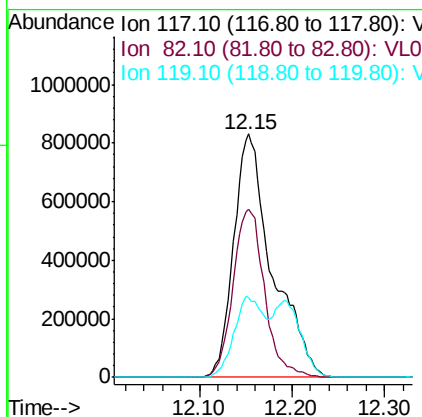
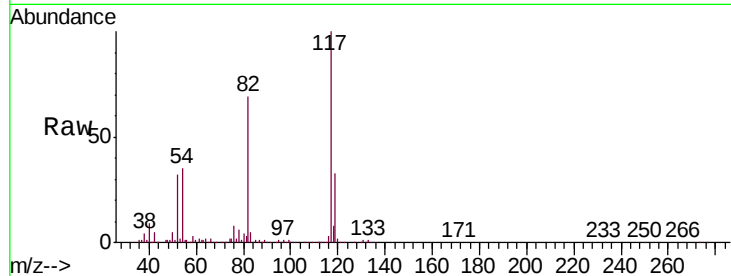




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. 0.00 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

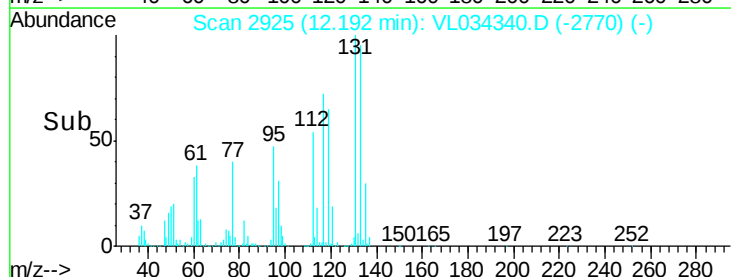
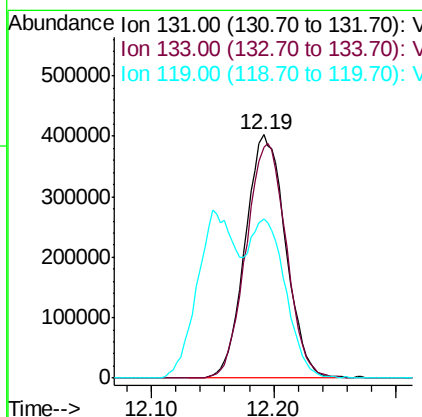
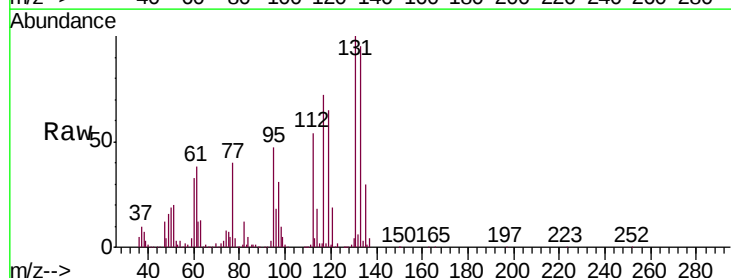
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

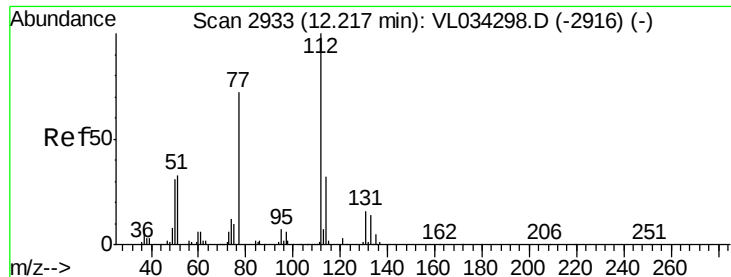
Tgt Ion:117 Resp: 2410810
Ion Ratio Lower Upper
117 100
82 56.2 55.5 83.3
119 27.9 26.5 39.7



#56
1,1,1,2-Tetrachloroethane
Concen: 8.254 ppbv
RT: 12.19 min Scan# 2925
Delta R.T. -0.00 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

Tgt Ion:131 Resp: 917055
Ion Ratio Lower Upper
131 100
133 96.5 77.1 115.7
119 58.2 49.0 73.4





#57

Chlorobenzene

Concen: 8.277 ppbv

RT: 12.21 min Scan# 2932

Delta R.T. -0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

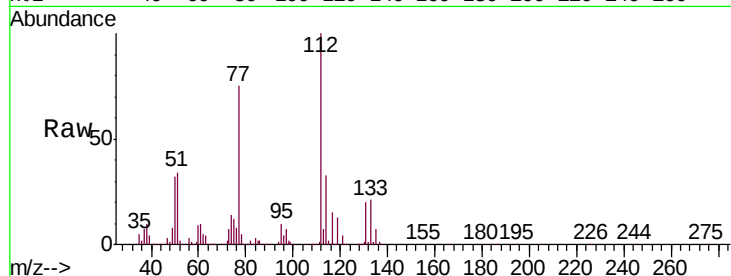
Tgt Ion: 112 Resp: 1664782

Ion Ratio Lower Upper

112 100

77 74.8 58.6 88.0

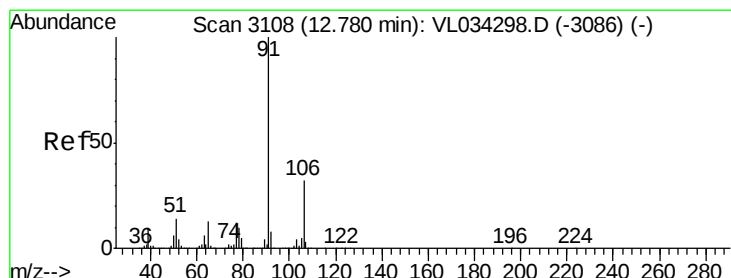
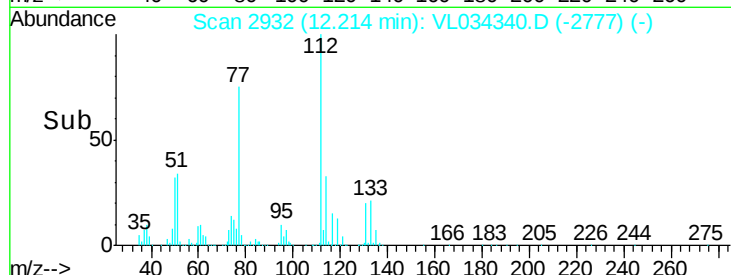
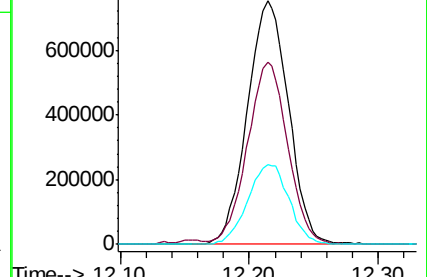
114 32.9 28.6 35.0



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: 9.080 ppbv

RT: 12.78 min Scan# 3107

Delta R.T. -0.00 min

Lab File: VL034340.D

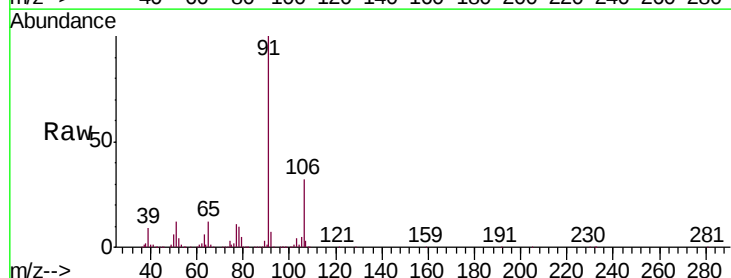
Acq: 18 Oct 2019 12:05

Tgt Ion: 91 Resp: 3060072

Ion Ratio Lower Upper

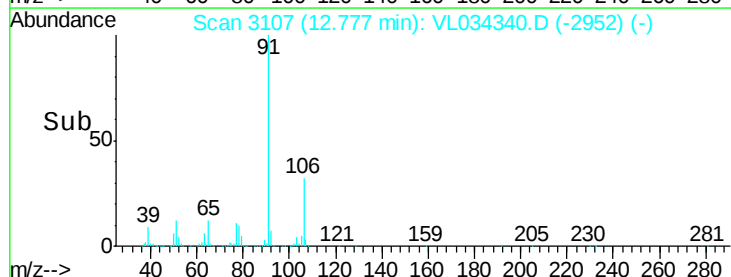
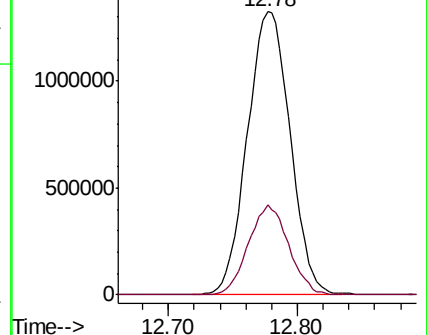
91 100

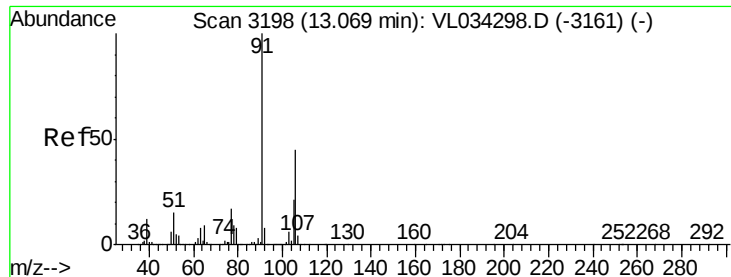
106 32.0 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

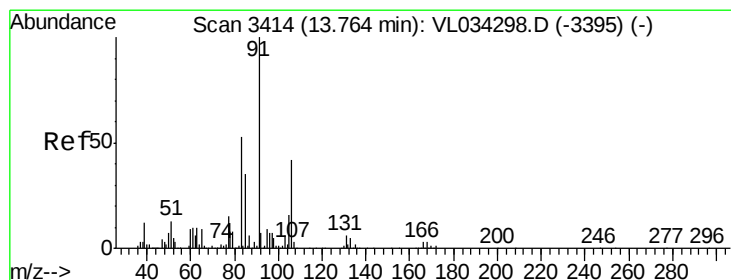
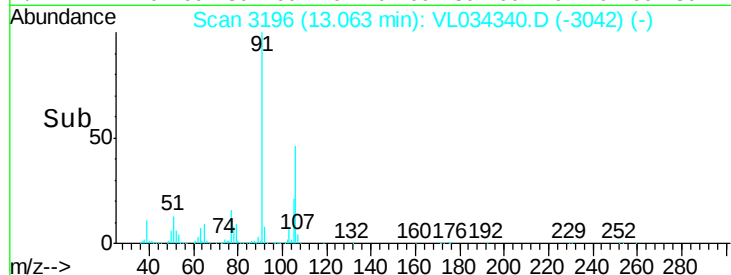
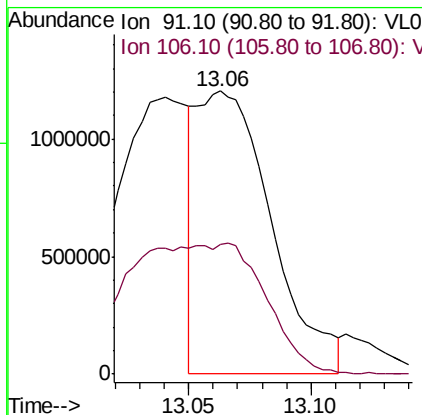
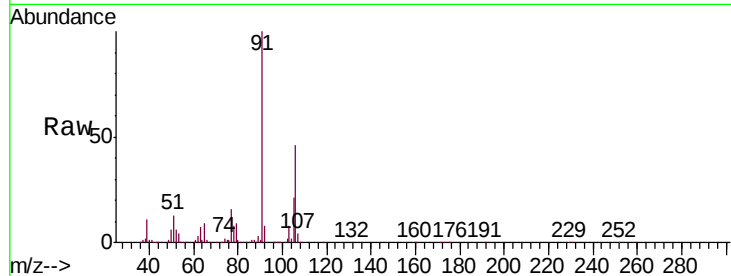




#59
m/p-Xylene
Concen: 8.721 ppbv
RT: 13.06 min Scan# 3196
Delta R.T. -0.01 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

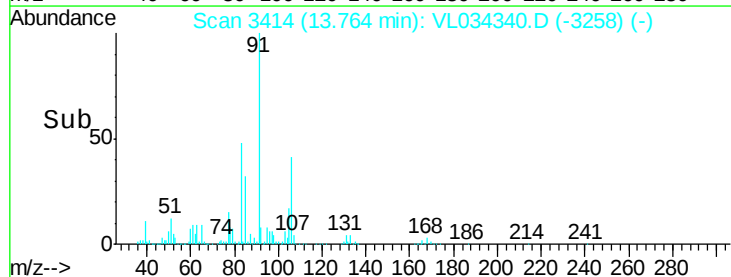
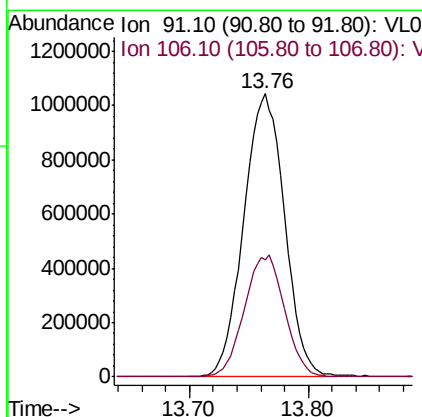
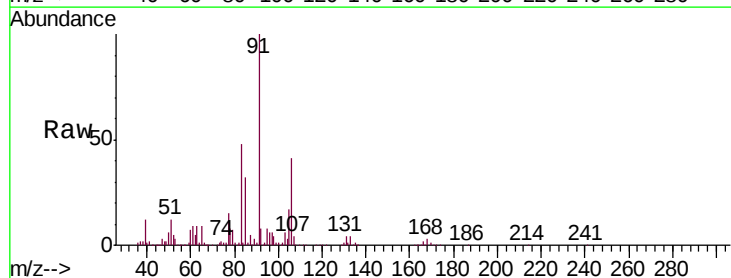
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

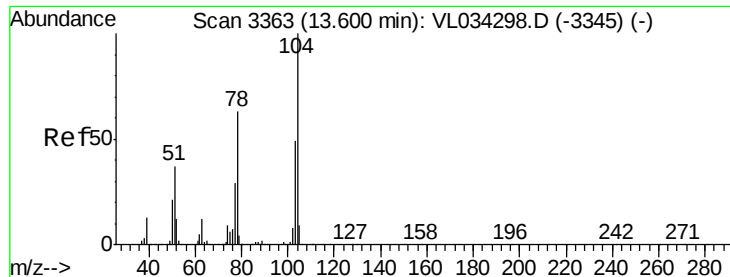
Tgt Ion: 91 Resp: 2546517
Ion Ratio Lower Upper
91 100
106 87.8 35.4 53.2#



#60
o-Xylene
Concen: 8.510 ppbv
RT: 13.76 min Scan# 3414
Delta R.T. 0.00 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

Tgt Ion: 91 Resp: 2474325
Ion Ratio Lower Upper
91 100
106 42.6 21.6 64.6





#61

Styrene

Concen: 9.301 ppbv

RT: 13.60 min Scan# 3362

Delta R.T. -0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

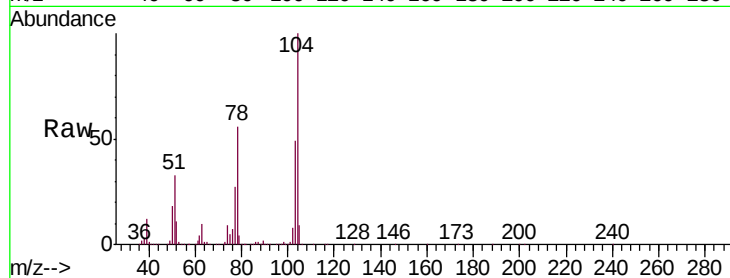
Tgt Ion:104 Resp: 1903837

Ion Ratio Lower Upper

104 100

78 57.6 47.8 71.8

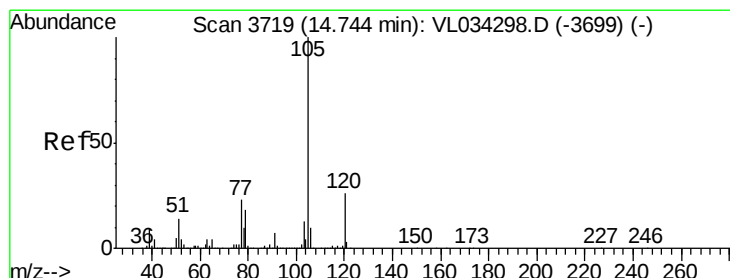
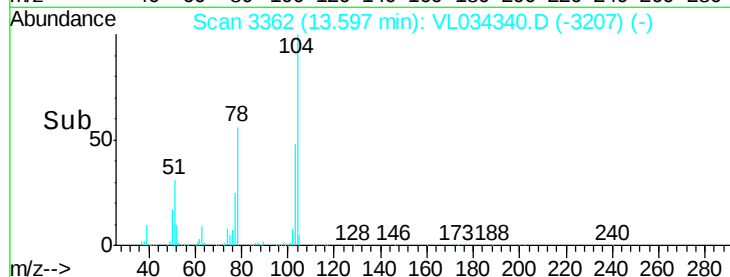
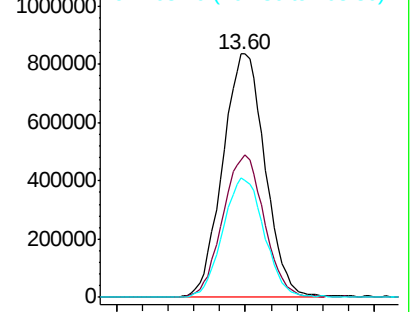
103 48.1 39.0 58.6



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: 8.465 ppbv

RT: 14.74 min Scan# 3717

Delta R.T. -0.01 min

Lab File: VL034340.D

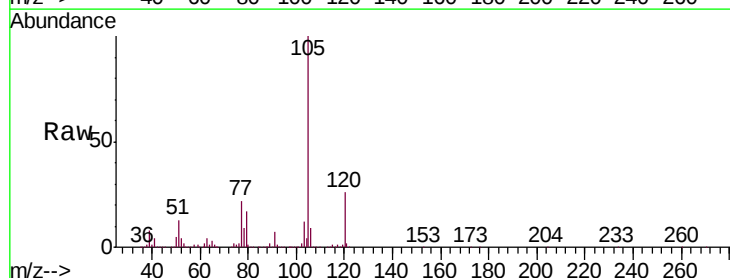
Acq: 18 Oct 2019 12:05

Tgt Ion:105 Resp: 3249047

Ion Ratio Lower Upper

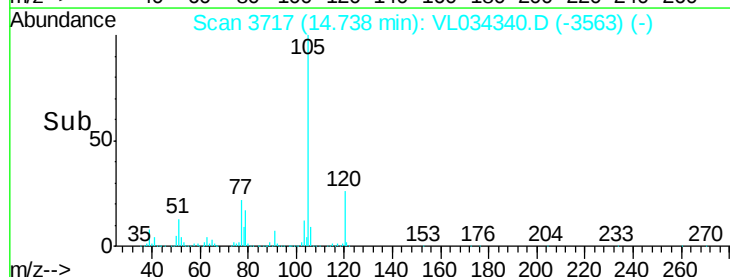
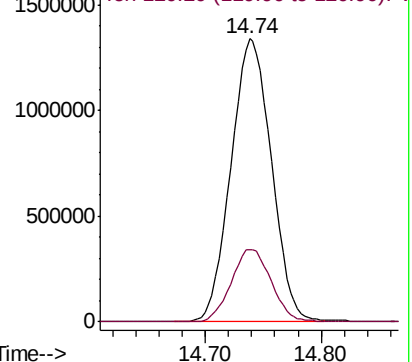
105 100

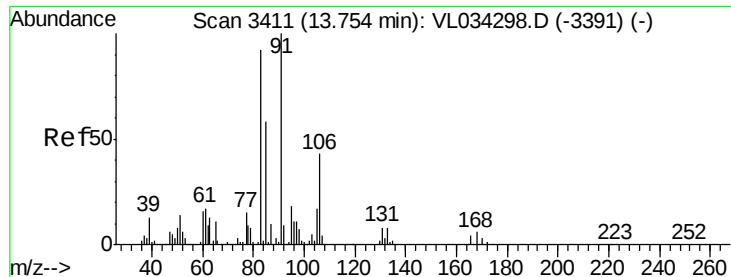
120 25.3 20.8 31.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

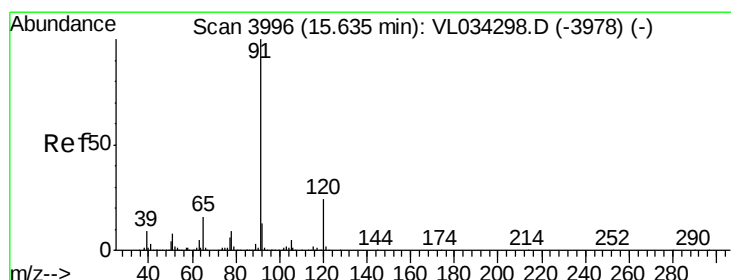
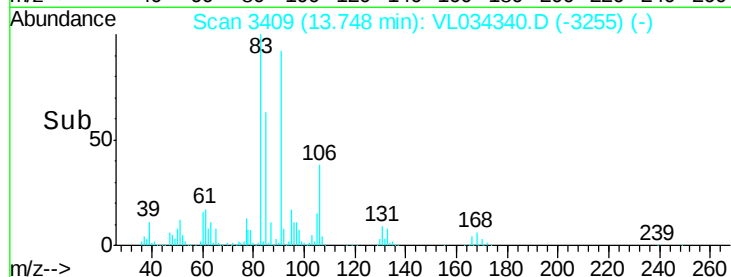
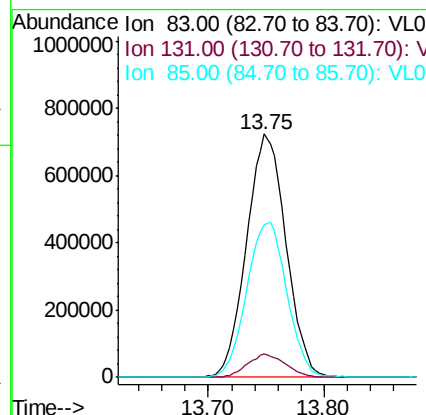
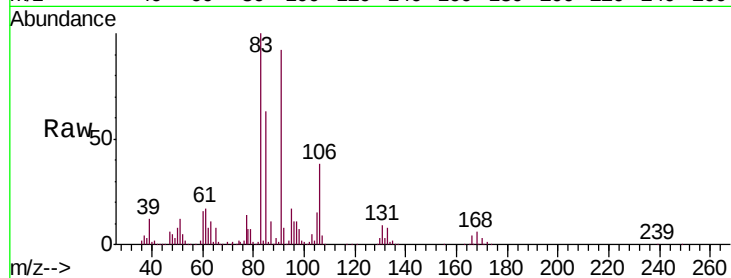




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.328 ppbv
 RT: 13.75 min Scan# 3409
 Delta R.T. -0.01 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

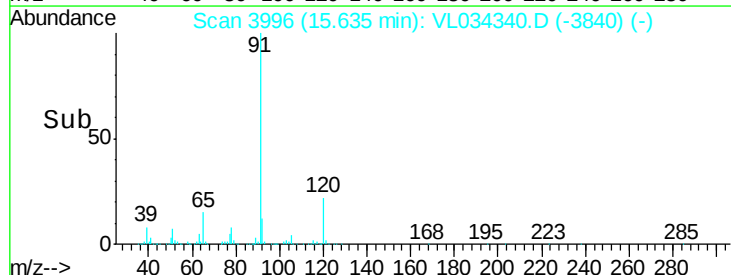
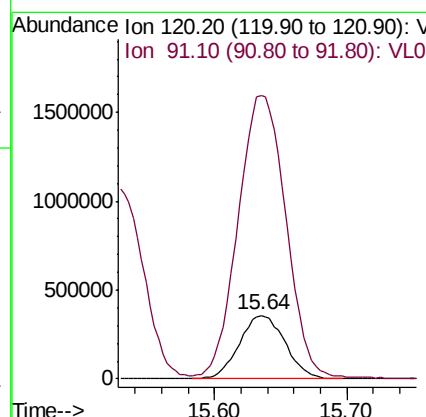
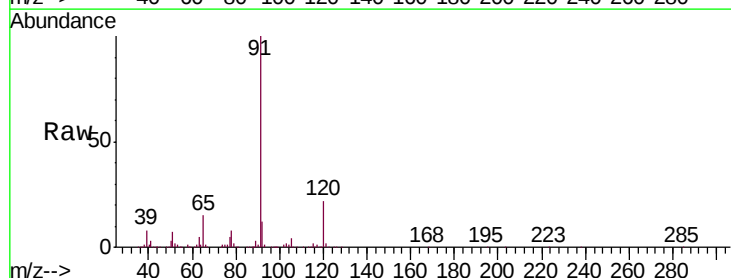
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

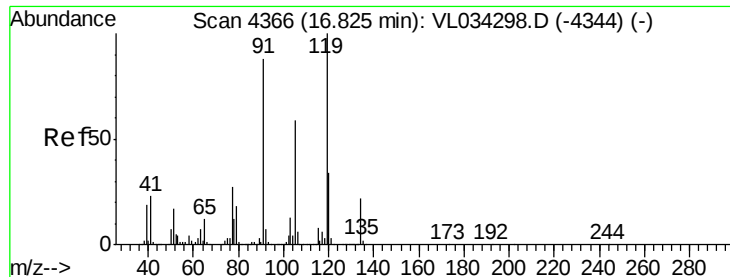
Tgt Ion: 83 Resp: 1712184
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.8 14.4
 85 65.1 32.5 97.4



#64
 n-propylbenzene
 Concen: 8.685 ppbv
 RT: 15.64 min Scan# 3996
 Delta R.T. 0.00 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

Tgt Ion: 120 Resp: 855483
 Ion Ratio Lower Upper
 120 100
 91 470.5 374.9 562.3





#65

tert-Butylbenzene

Concen: 8.340 ppbv

RT: 16.82 min Scan# 4366

Delta R.T. 0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

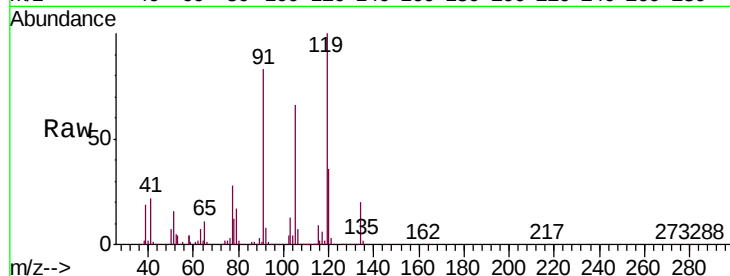
Tgt Ion:119 Resp: 2837029

Ion Ratio Lower Upper

119 100

91 87.1 71.4 107.0

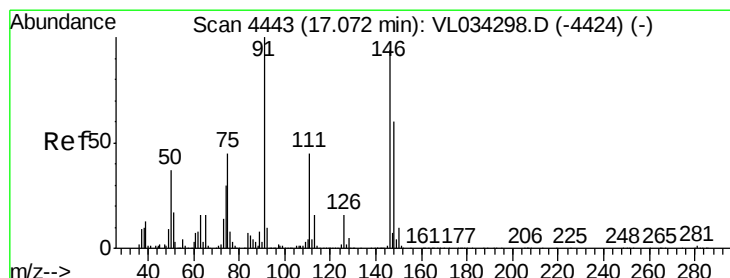
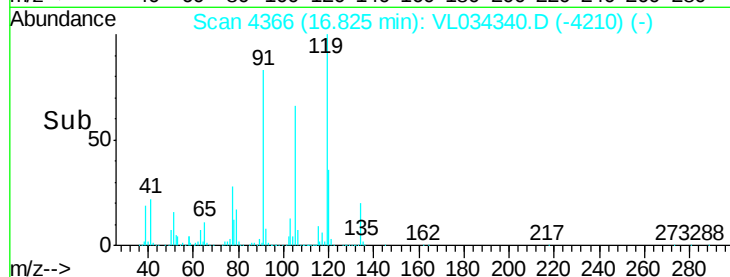
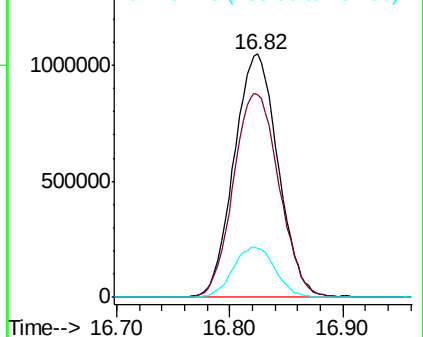
134 20.0 15.9 23.9



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: 9.813 ppbv

RT: 17.07 min Scan# 4442

Delta R.T. -0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

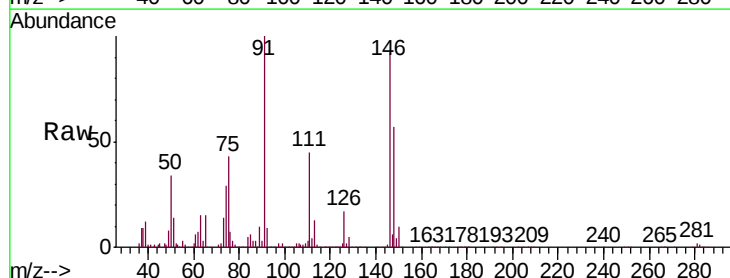
Tgt Ion: 91 Resp: 1318423

Ion Ratio Lower Upper

91 100

126 16.3 12.9 19.3

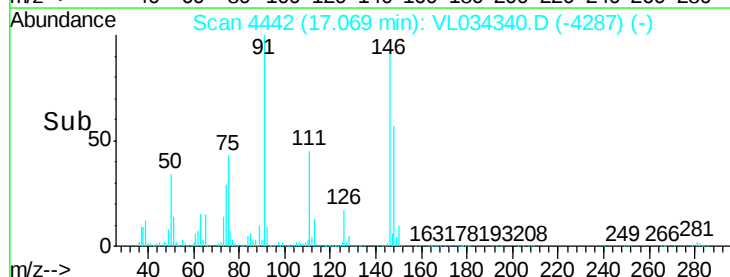
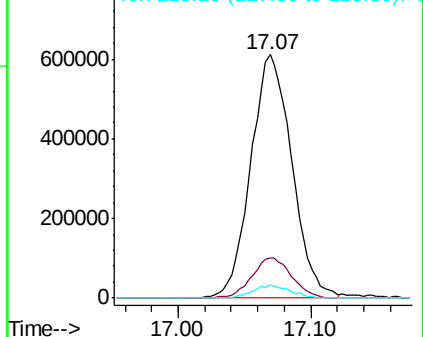
128 5.0 4.3 6.5

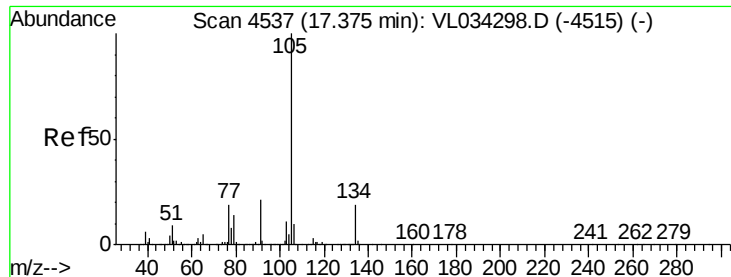


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

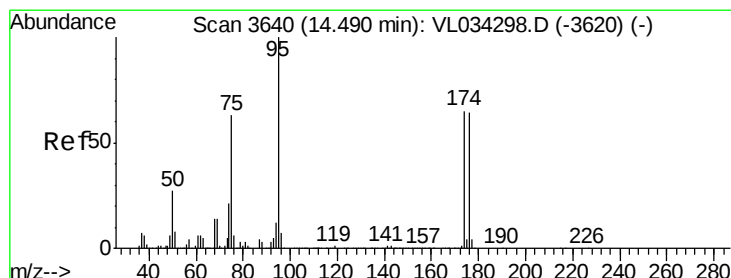
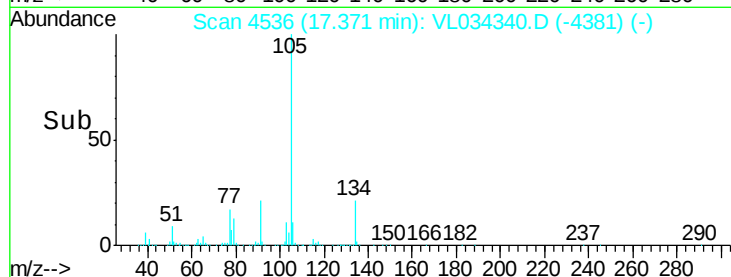
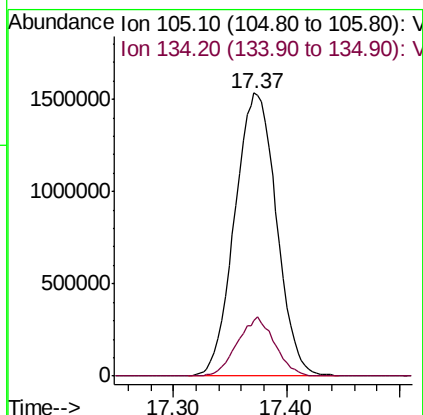
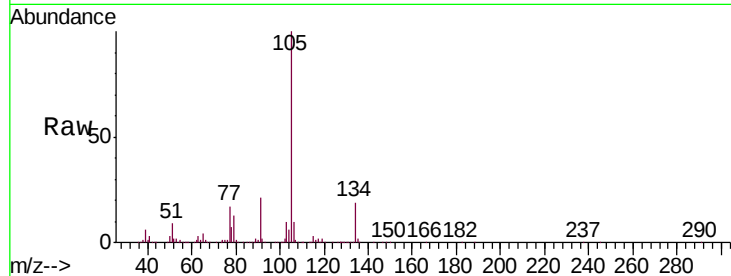




#67
 sec-Butylbenzene
 Concen: 8.195 ppbv
 RT: 17.37 min Scan# 4536
 Delta R.T. -0.00 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

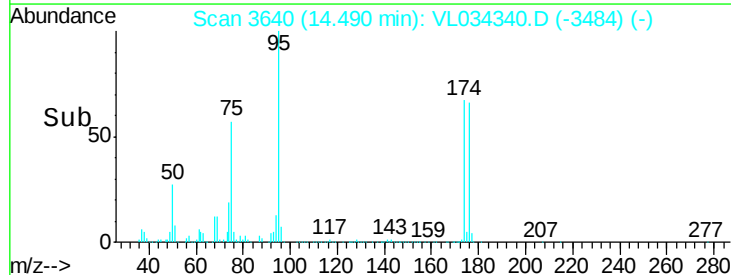
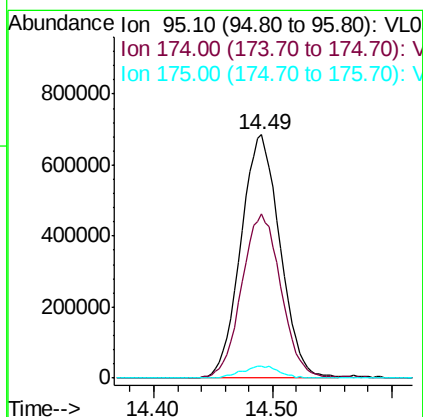
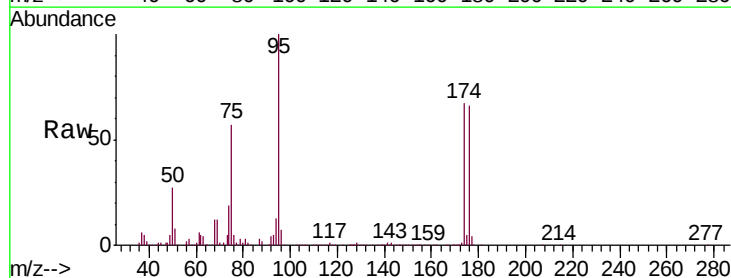
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

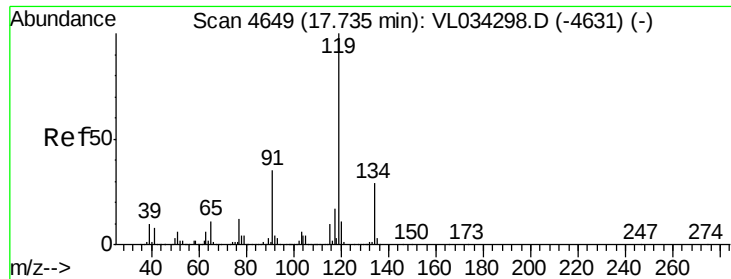
Tgt Ion: 105 Resp: 3922905
 Ion Ratio Lower Upper
 105 100
 134 18.8 15.4 23.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 7.648 ppbv
 RT: 14.49 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

Tgt Ion: 95 Resp: 1561611
 Ion Ratio Lower Upper
 95 100
 174 68.3 52.6 78.8
 175 4.9 3.8 5.6

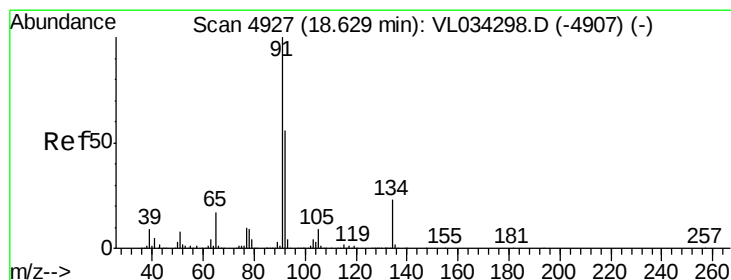
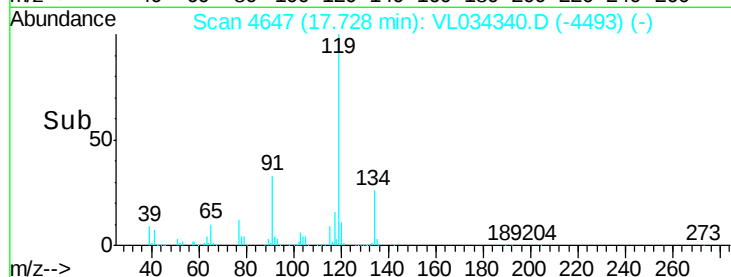
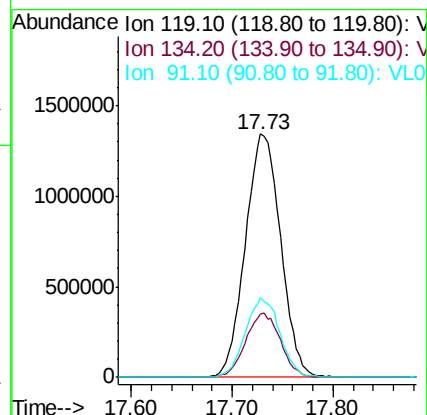
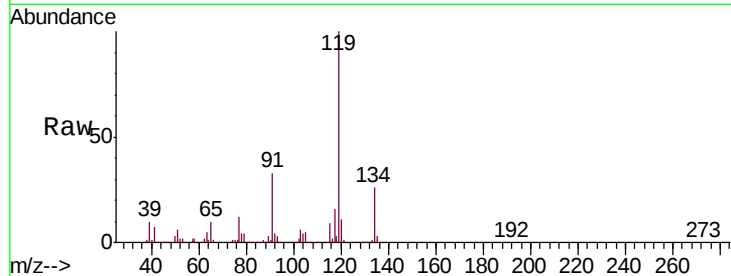




#69
 p-Isopropyltoluene
 Concen: 8.362 ppbv
 RT: 17.73 min Scan# 4647
 Delta R.T. -0.01 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

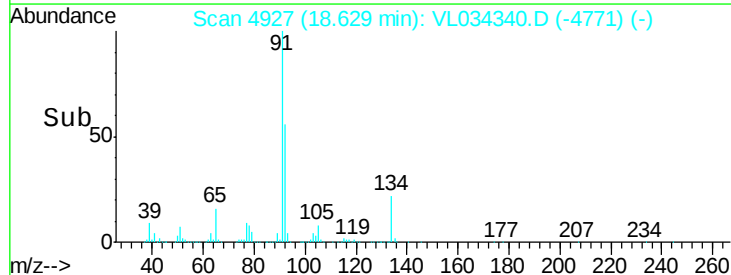
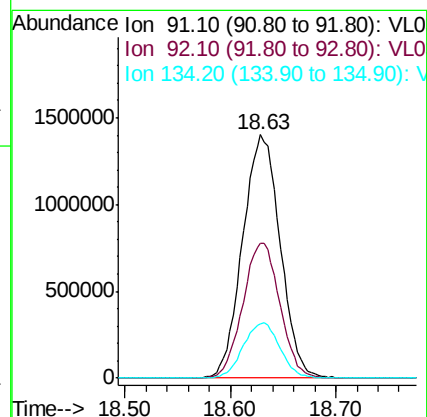
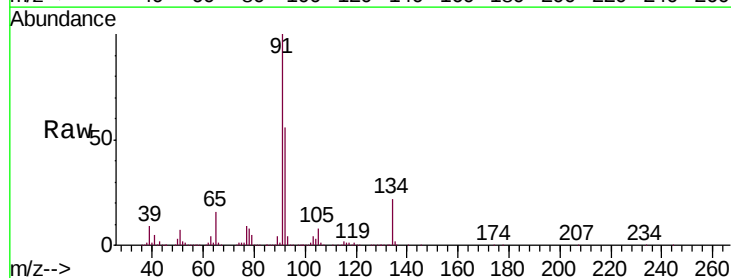
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

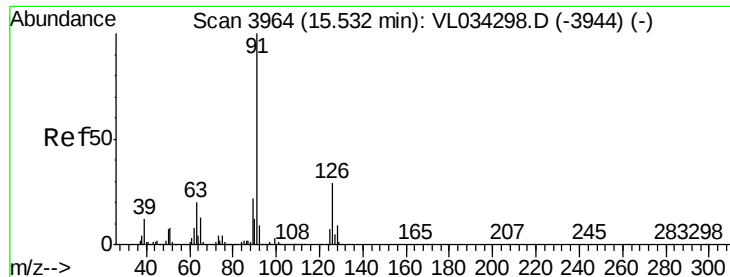
Tgt Ion: 119 Resp: 3263740
 Ion Ratio Lower Upper
 119 100
 134 25.9 21.3 31.9
 91 32.1 26.6 39.8



#70
 n-Butylbenzene
 Concen: 8.163 ppbv
 RT: 18.63 min Scan# 4927
 Delta R.T. 0.00 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

Tgt Ion: 91 Resp: 3466492
 Ion Ratio Lower Upper
 91 100
 92 54.8 44.5 66.7
 134 22.3 18.2 27.2





#71

2-Chlorotoluene

Concen: 8.570 ppbv

RT: 15.53 min Scan# 3963

Delta R.T. -0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_L

ClientSampleId :

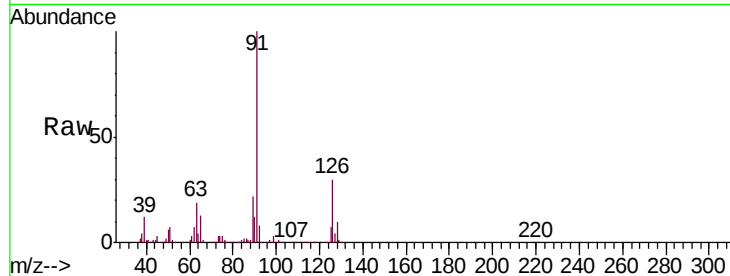
VSTDCCC010EC

Tgt Ion: 91 Resp: 2550437

Ion Ratio Lower Upper

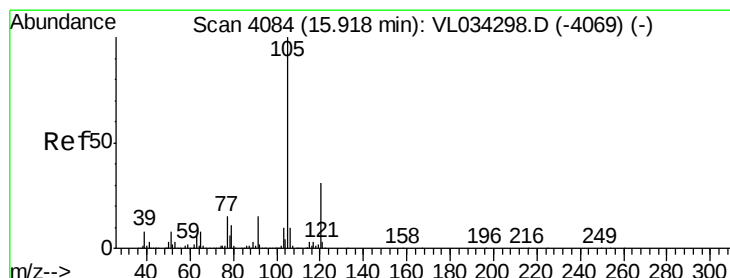
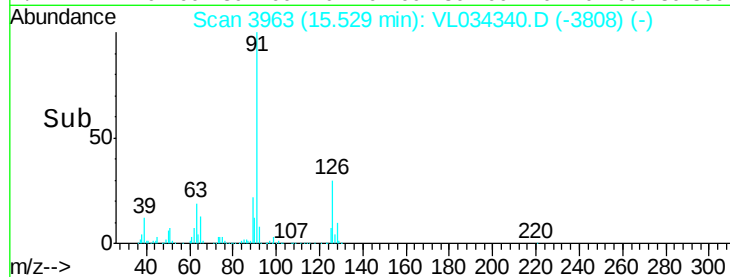
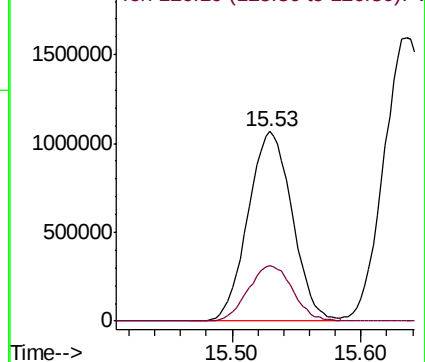
91 100

126 29.6 11.9 47.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.738 ppbv

RT: 15.91 min Scan# 4082

Delta R.T. -0.01 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Tgt Ion: 105 Resp: 2855766

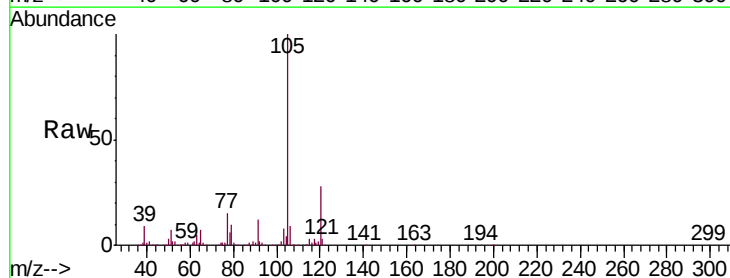
Ion Ratio Lower Upper

105 100

120 29.3 23.8 35.8

91 14.3 11.2 16.8

77 15.7 12.8 19.2

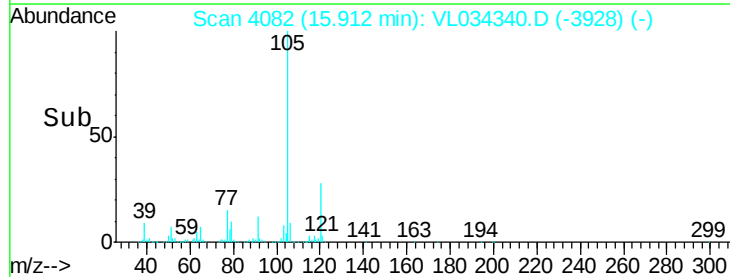
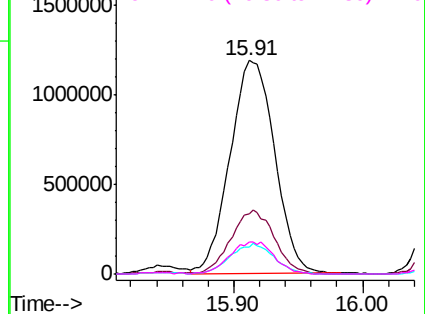


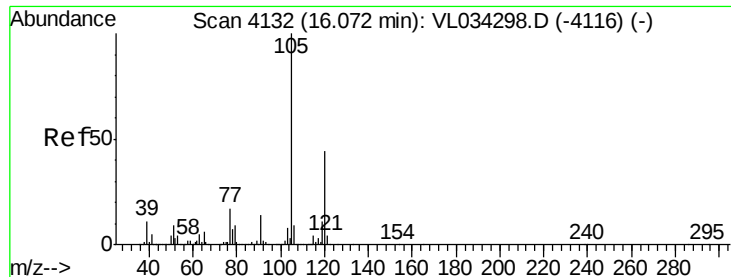
Abundance Ion 105.10 (104.80 to 105.80): V

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: 8.392 ppbv

RT: 16.07 min Scan# 4132

Delta R.T. 0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_L

ClientSampleId :

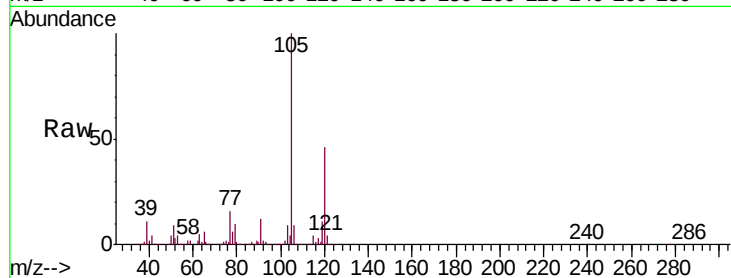
VSTDCCC010EC

Tgt Ion:105 Resp: 2717696

Ion Ratio Lower Upper

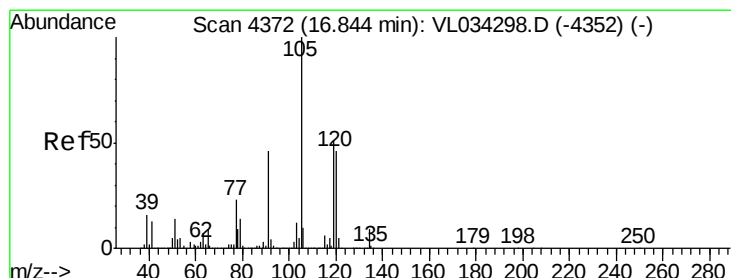
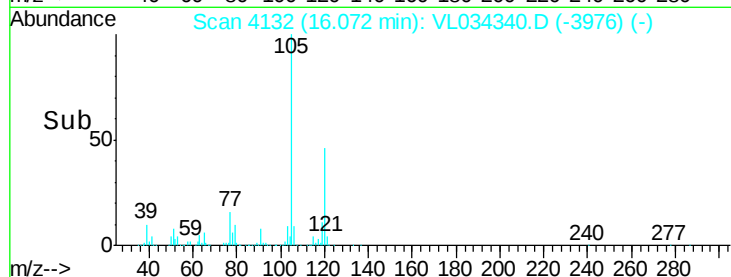
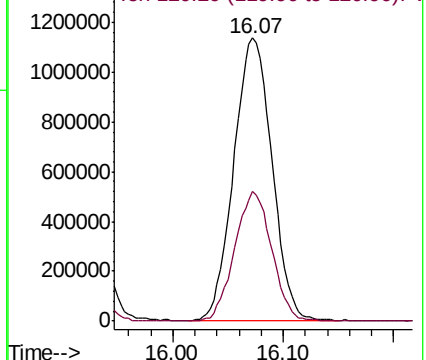
105 100

120 45.7 35.2 52.8



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: 8.161 ppbv

RT: 16.84 min Scan# 4371

Delta R.T. -0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Tgt Ion:105 Resp: 2756182

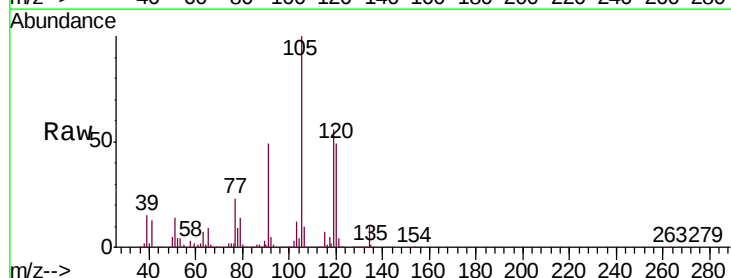
Ion Ratio Lower Upper

105 100

120 49.3 37.0 55.6

91 49.4 38.2 57.2

77 23.1 19.0 28.4

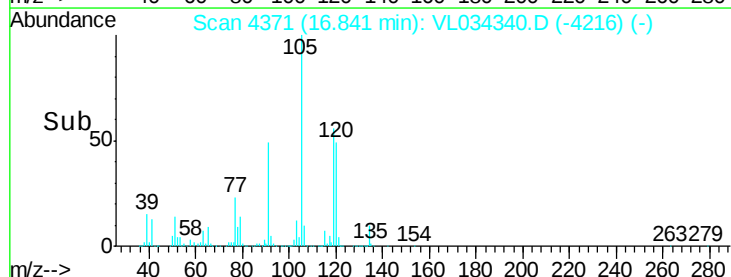
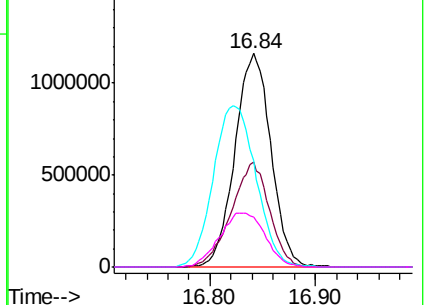


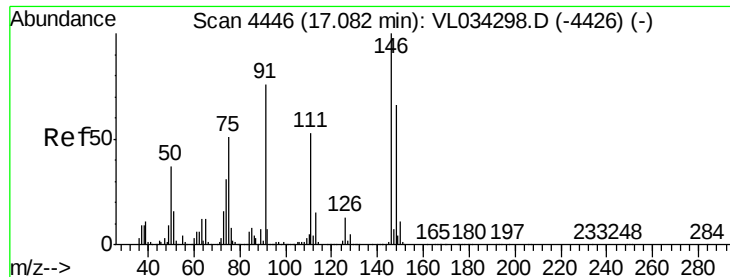
Abundance Ion 105.10 (104.80 to 105.80): V

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: 7.832 ppbv

RT: 17.08 min Scan# 4445

Delta R.T. -0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

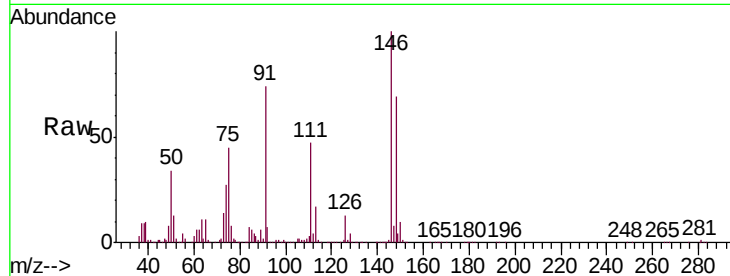
Tgt Ion:146 Resp: 1588060

Ion Ratio Lower Upper

146 100

111 47.6 24.5 73.5

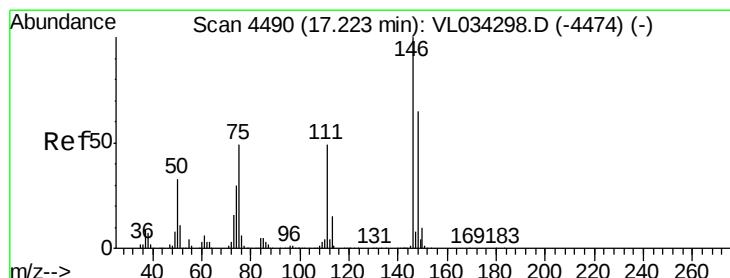
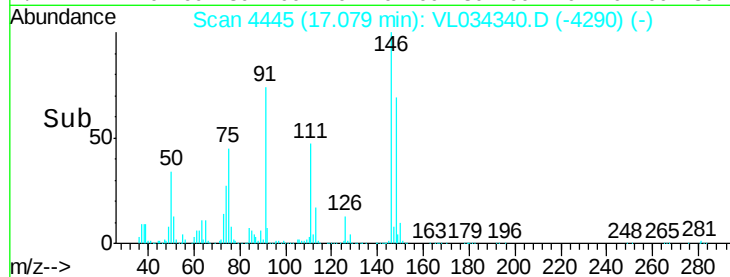
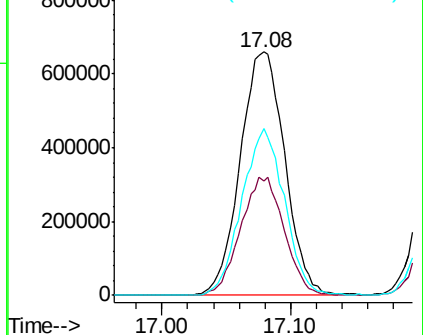
148 65.9 32.3 96.8



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: 8.048 ppbv

RT: 17.22 min Scan# 4489

Delta R.T. -0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

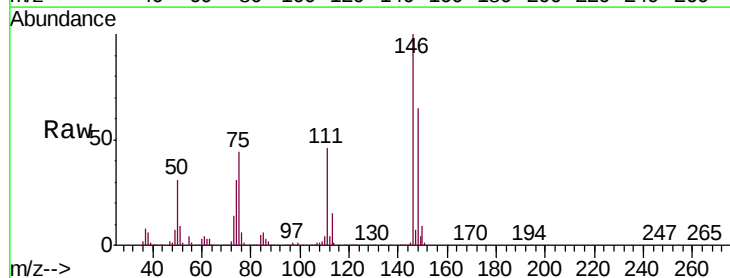
Tgt Ion:146 Resp: 1593822

Ion Ratio Lower Upper

146 100

111 46.4 23.9 71.7

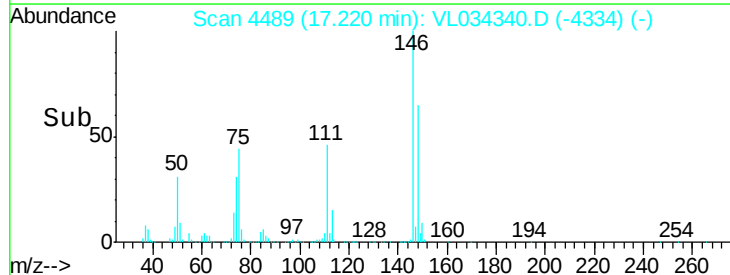
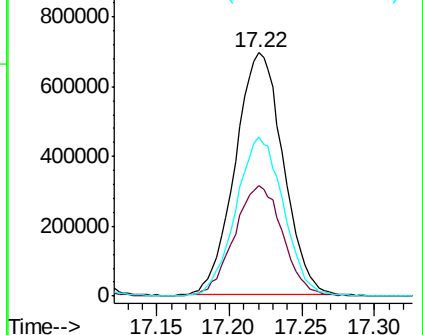
148 66.0 33.1 99.2

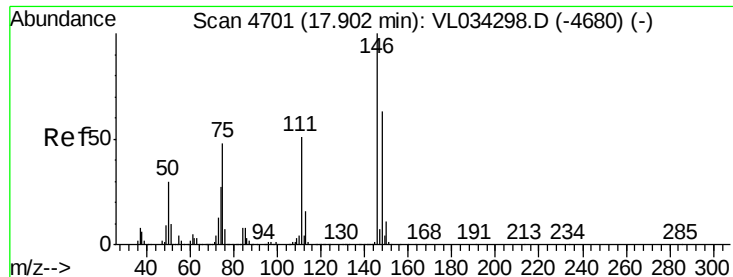


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

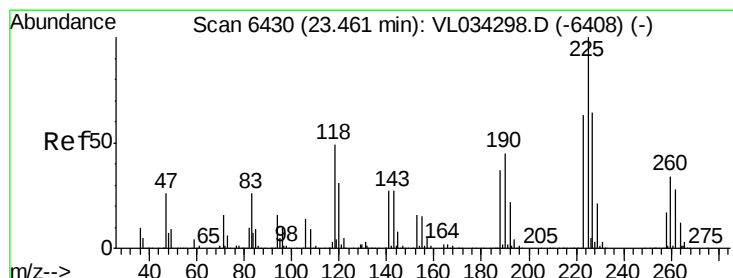
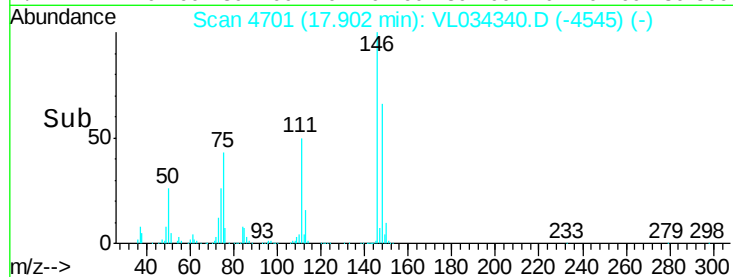
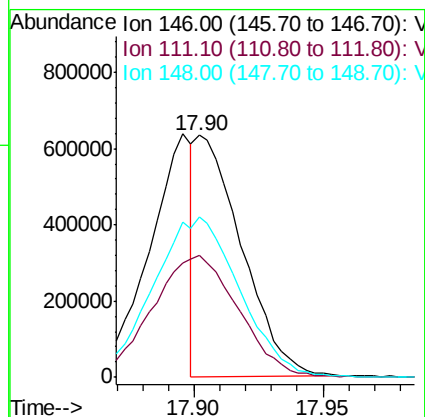
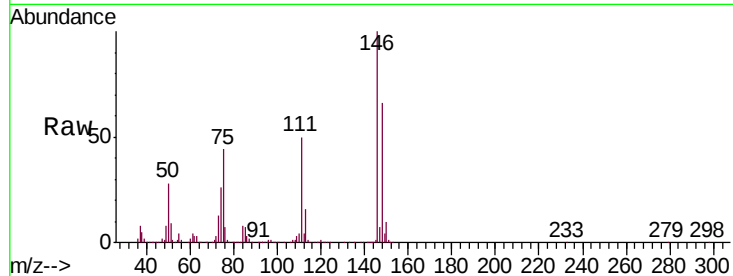




#77
 1,2-Dichlorobenzene
 Concen: 3.911 ppbv
 RT: 17.90 min Scan# 4701
 Delta R.T. 0.00 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

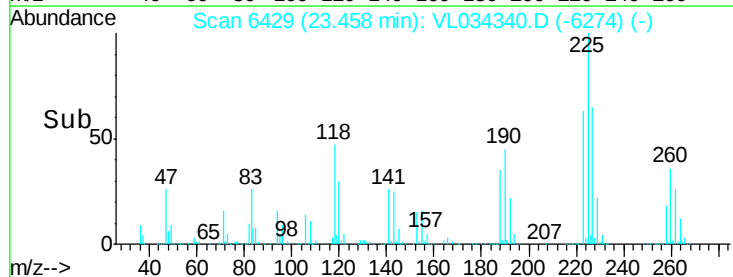
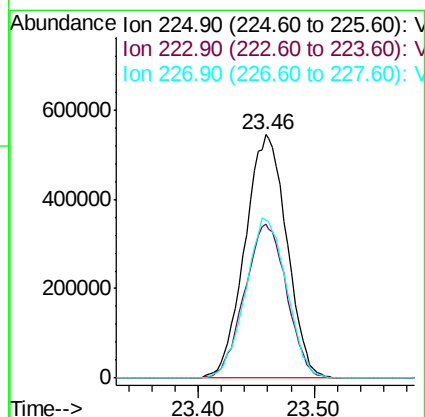
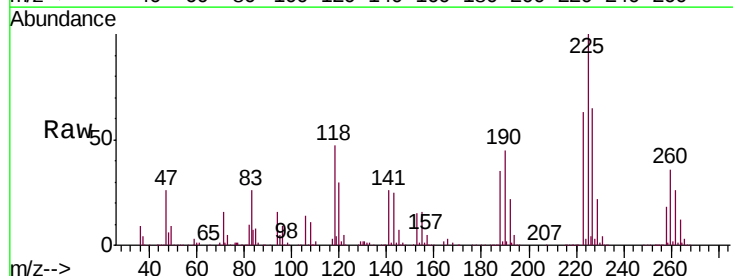
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

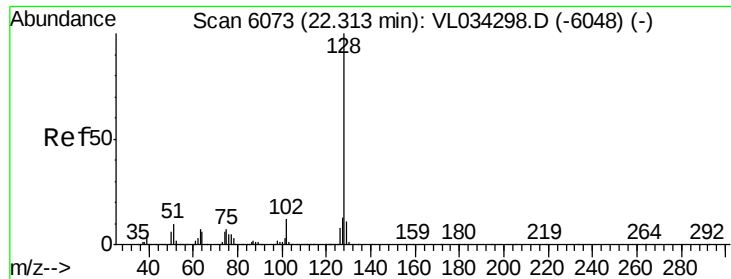
Tgt Ion:146 Resp: 777426
 Ion Ratio Lower Upper
 146 100
 111 96.5 25.1 75.3#
 148 127.5 32.3 96.8#



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.295 ppbv
 RT: 23.46 min Scan# 6429
 Delta R.T. -0.00 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

Tgt Ion:225 Resp: 1363945
 Ion Ratio Lower Upper
 225 100
 223 63.6 50.8 76.2
 227 64.7 51.5 77.3





#79

Naphthalene

Concen: 11.161 ppbv

RT: 22.31 min Scan# 6071

Delta R.T. -0.01 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Instrument :

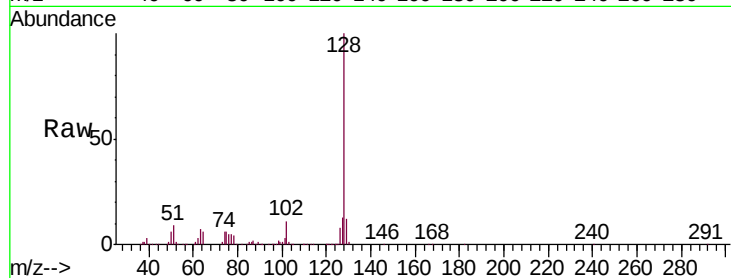
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:128 Resp: 2753261

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	12.1	8.9	13.3

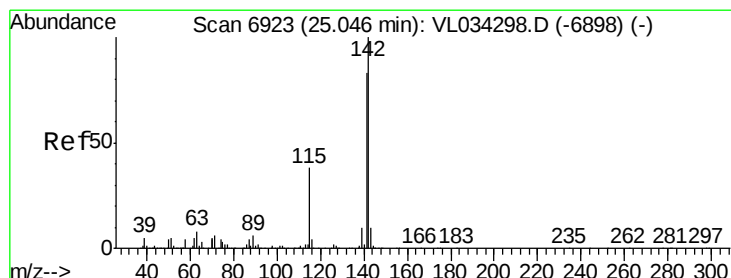
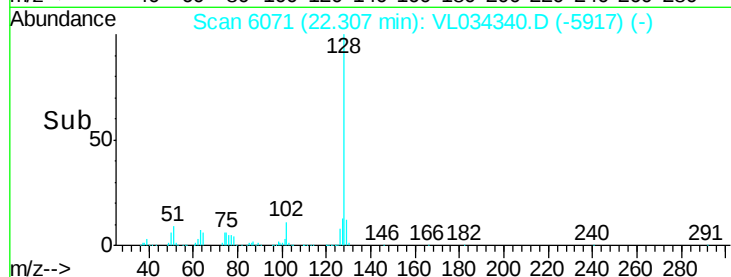
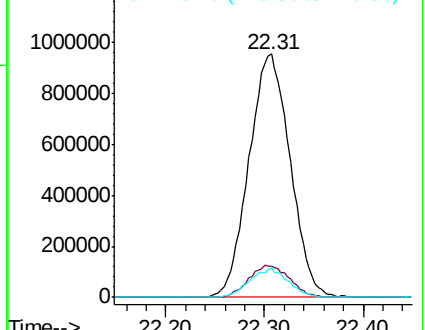


Abundance

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: 12.380 ppbv

RT: 25.04 min Scan# 6922

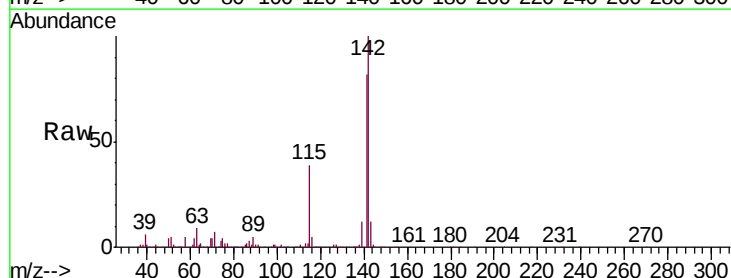
Delta R.T. -0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Tgt Ion:142 Resp: 882788

Ion	Ratio	Lower	Upper
142	100		
141	83.2	65.7	98.5
115	38.4	30.9	46.3

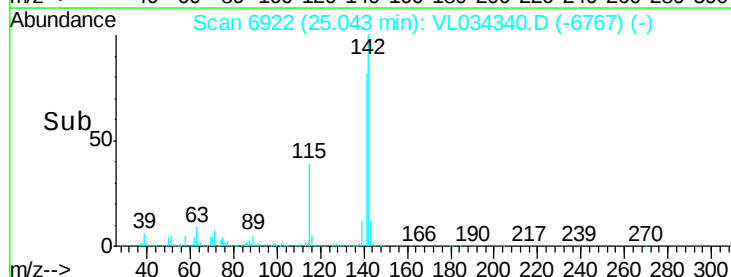
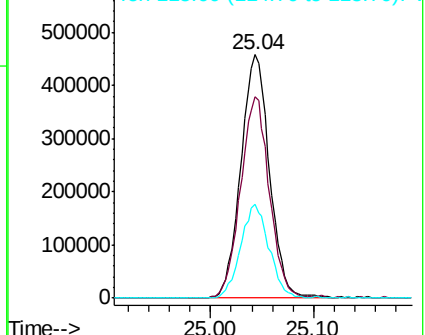


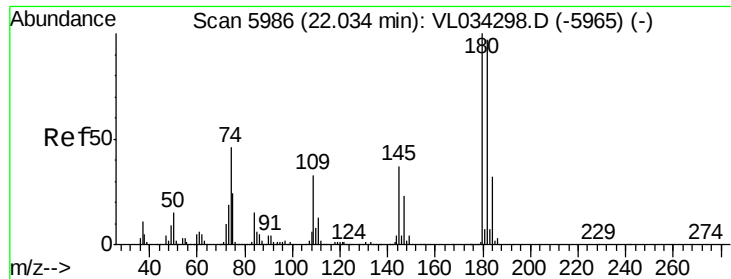
Abundance

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: 4.497 ppbv
 RT: 22.04 min Scan# 5987
 Delta R.T. 0.00 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:180 Resp: 724573
 Ion Ratio Lower Upper
 180 100
 182 215.8 77.8 116.8#
 184 68.8 25.4 38.2#

