

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101719\
 Data File : VL034339.D
 Acq On : 18 Oct 2019 11:26
 Operator : SY/AP
 Sample : VL1017SBS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017SABS01

Quant Time: Oct 19 00:20:37 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	879538	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1848556	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	2037881	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1591697	9.22	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.02	85	1066666	7.035	ppbv	98
3) Chlorodifluoromethane	2.96	51	1072152	10.400	ppbv	99
4) Chloromethane	3.12	50	658696	10.802	ppbv	99
5) Vinyl Chloride	3.24	62	608995	10.474	ppbv	98
6) Bromomethane	3.46	94	321876	11.305	ppbv	98
7) Chloroethane	3.54	64	224256	10.958	ppbv	98
8) Dichlorotetrafluoroethane	3.17	85	1360818	10.357	ppbv	97
9) Propene	2.99	41	522845	11.441	ppbv	97
10) Heptane	8.16	43	1386614	11.822	ppbv	100
11) Trichlorofluoromethane	3.94	101	1488771	10.341	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1020289	10.818	ppbv	99
13) Ethanol	3.59	45	109635	10.715	ppbv	95
14) Bromoethene	3.73	108	440296	11.857	ppbv	99
15) Acetone	3.84	43	1126873	8.957	ppbv	99
16) 1,3-Butadiene	3.31	39	576693	11.282	ppbv	99
17) tert-Butyl alcohol	4.29	59	1019729	12.700	ppbv	100
18) 1,1-Dichloroethene	4.29	96	464614	11.251	ppbv	98
19) Isopropyl Alcohol	3.96	45	852127	12.142	ppbv	100
20) Methylene Chloride	4.34	84	411083	9.039	ppbv	96
21) Allyl Chloride	4.41	41	787825	11.328	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	472570	11.473	ppbv	99
23) Vinyl Acetate	5.08	43	1845009	11.744	ppbv	98
24) 1,1-Dichloroethane	5.02	63	1261804	10.822	ppbv	98
25) Ethyl Acetate	5.69	43	2304395	10.850	ppbv	99
26) Hexane	5.70	57	996496	11.008	ppbv	98
27) Carbon Disulfide	4.55	76	1151886	12.256	ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1623599	11.851	ppbv	98
29) Chloroform	5.78	83	1558806	10.886	ppbv	96
30) Cyclohexane	7.17	84	826574	12.415	ppbv	94
31) cis-1,2-Dichloroethene	5.56	61	1073263	11.682	ppbv	98
32) 1,1,1-Trichloroethane	6.54	97	1507802	10.828	ppbv	99
34) 2-Butanone	5.26	43	1551453	10.268	ppbv	98
35) Carbon Tetrachloride	7.05	117	1576330	9.790	ppbv	99
36) Benzene	6.92	78	1959305	11.047	ppbv	98
37) 1,2-Dichloroethane	6.34	62	1283603	9.711	ppbv	98
38) Trichloroethene	7.88	130	736924	10.354	ppbv	92
39) 1,2-Dichloropropane	7.65	63	809548	10.600	ppbv	99
40) 1,4-Dioxane	7.87	88	306511	11.420	ppbv	97
41) Tetrahydrofuran	6.07	42	914041	10.900	ppbv	96
42) Bromodichloromethane	7.83	83	1696854	10.481	ppbv	99
43) Methyl Methacrylate	8.06	69	847991	11.560	ppbv	95

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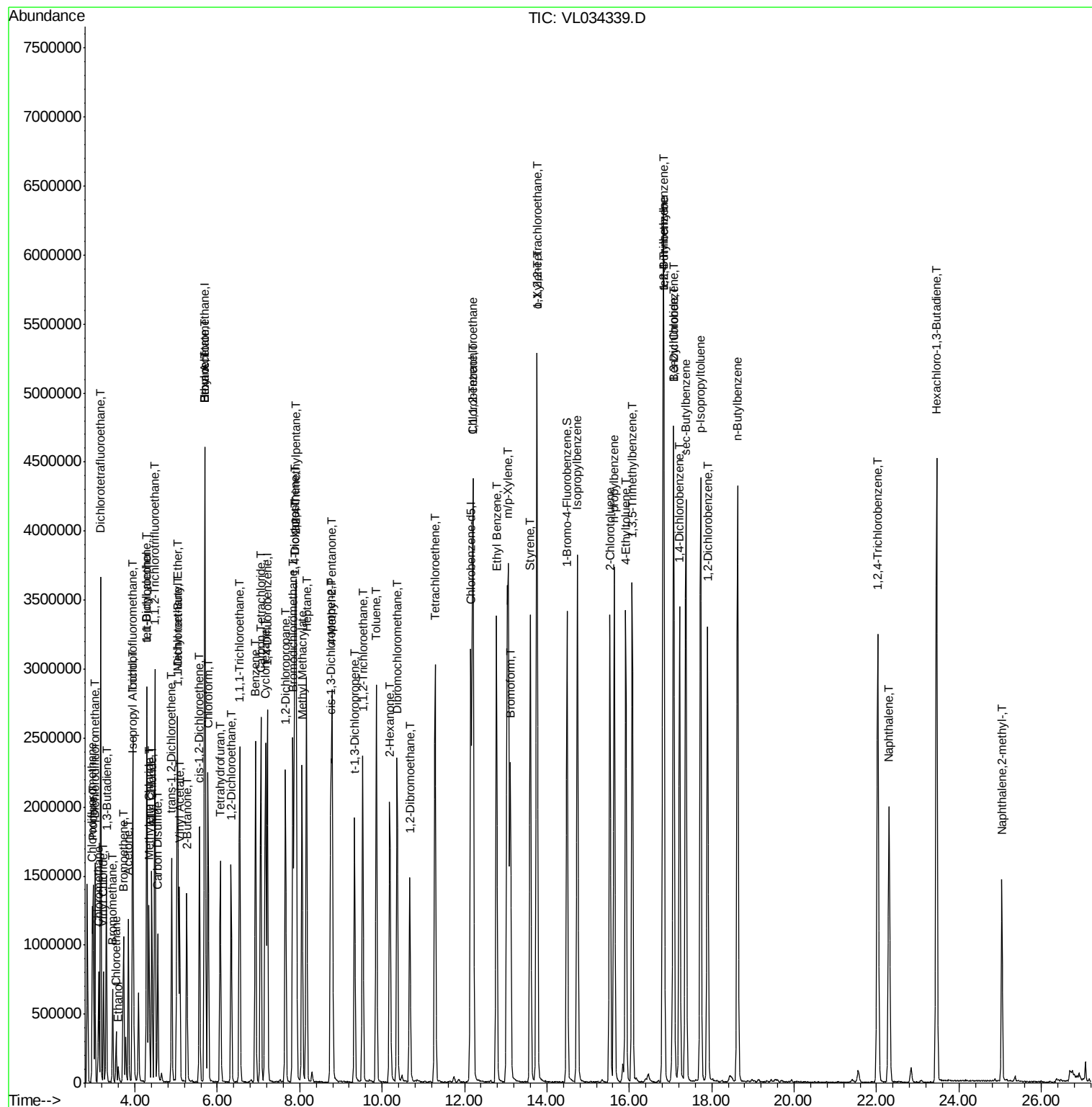
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	3422049	10.424	ppbv	98
45) t-1,3-Dichloropropene	9.33	75	1101091	12.320	ppbv	99
46) cis-1,3-Dichloropropene	8.75	75	1250022	12.174	ppbv	95
47) 1,1,2-Trichloroethane	9.53	97	815129	10.537	ppbv	98
48) Dibromochloromethane	10.36	129	1417097	11.167	ppbv	99
49) Bromoform	13.11	173	1305841	11.613	ppbv	100
50) 4-Methyl-2-Pentanone	8.79	43	2312834	10.692	ppbv	99
51) 2-Hexanone	10.19	43	1954268	11.021	ppbv	98
52) Tetrachloroethene	11.28	164	746168	10.733	ppbv	98
53) Toluene	9.86	91	2273216	11.614	ppbv	100
54) 1,2-Dibromoethane	10.67	107	1235209	10.773	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.19	131	937937	9.987	ppbv	95
57) Chlorobenzene	12.21	112	1686563	9.920	ppbv	99
58) Ethyl Benzene	12.78	91	3095313	10.866	ppbv	98
59) m/p-Xylene	13.06	91	2437001	9.874	ppbv #	25
60) o-Xylene	13.76	91	2525708	10.276	ppbv	100
61) Styrene	13.60	104	1919225	11.092	ppbv	99
62) Isopropylbenzene	14.74	105	3319456	10.231	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.75	83	1779177	9.008	ppbv	100
64) n-propylbenzene	15.64	120	876351	10.525	ppbv	100
65) tert-Butylbenzene	16.82	119	2938037	10.217	ppbv	99
66) Benzyl Chloride	17.07	91	1416109	12.469	ppbv	99
67) sec-Butylbenzene	17.37	105	4119309	10.179	ppbv	99
69) p-Isopropyltoluene	17.73	119	3426377	10.386	ppbv	98
70) n-Butylbenzene	18.63	91	3665382	10.211	ppbv	100
71) 2-Chlorotoluene	15.53	91	2644907	10.514	ppbv	100
72) 4-Ethyltoluene	15.91	105	2954268	10.693	ppbv	98
73) 1,3,5-Trimethylbenzene	16.07	105	2819360	10.299	ppbv	96
74) 1,2,4-Trimethylbenzene	16.84	105	2911407	10.199	ppbv	99
75) 1,3-Dichlorobenzene	17.08	146	1700704	9.923	ppbv	99
76) 1,4-Dichlorobenzene	17.22	146	1703011	10.172	ppbv	99
77) 1,2-Dichlorobenzene	17.90	146	1651695	9.829	ppbv	99
78) Hexachloro-1,3-Butadiene	23.46	225	1299091	9.346	ppbv	99
79) Naphthalene	22.31	128	1225954	5.879	ppbv	98
80) Naphthalene,2-methyl-	25.04	142	816137	13.540	ppbv	98
81) 1,2,4-Trichlorobenzene	22.03	180	1527563	11.216	ppbv	99

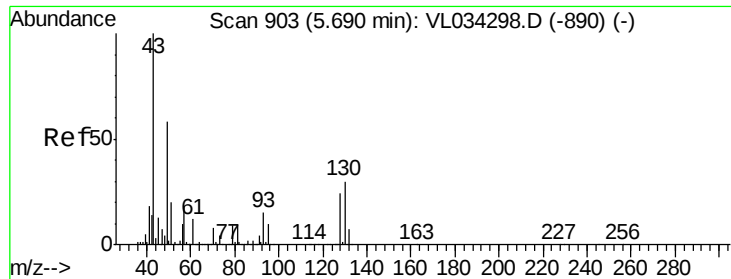
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.00 min

Lab File: VL034339.D

Acq: 18 Oct 2019 11:26

Instrument :

MSVOA_L

ClientSampleId :

VL1017SABS01

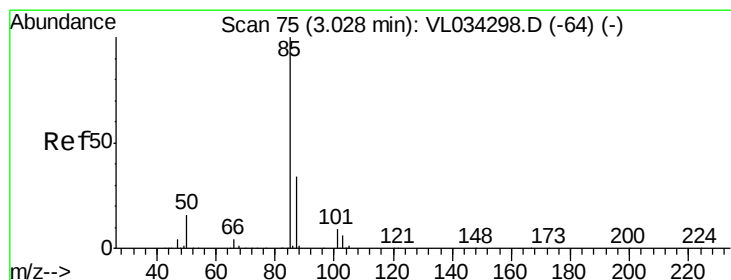
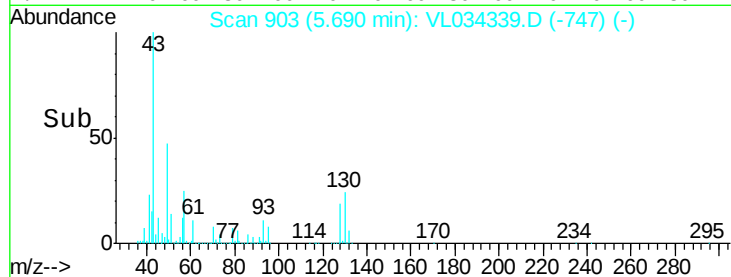
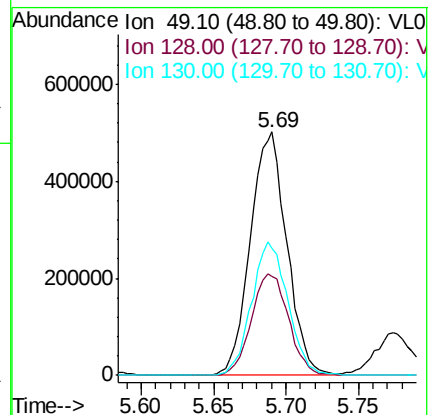
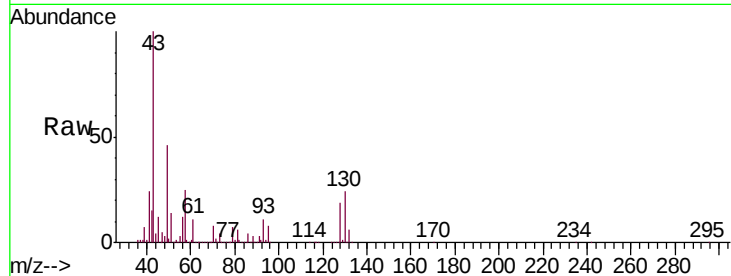
Tgt Ion: 49 Resp: 879538

Ion Ratio Lower Upper

49 100

128 42.7 20.6 61.8

130 54.8 26.2 78.5



#2

Dichlorodifluoromethane

Concen: 7.035 ppbv

RT: 3.02 min Scan# 74

Delta R.T. -0.00 min

Lab File: VL034339.D

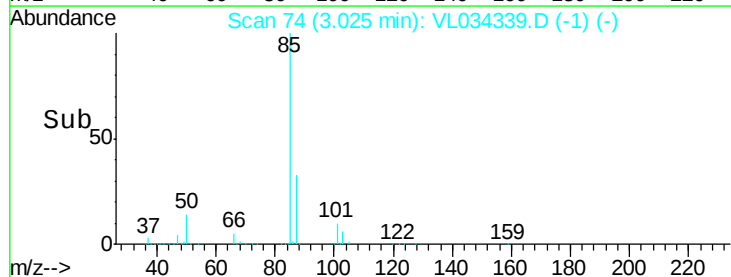
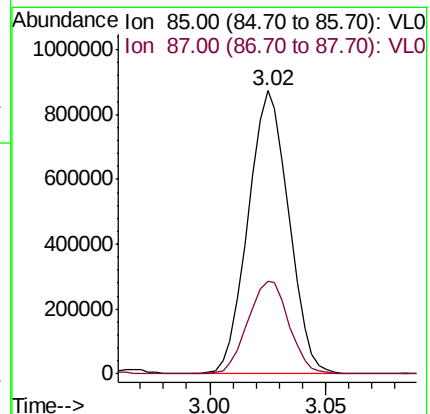
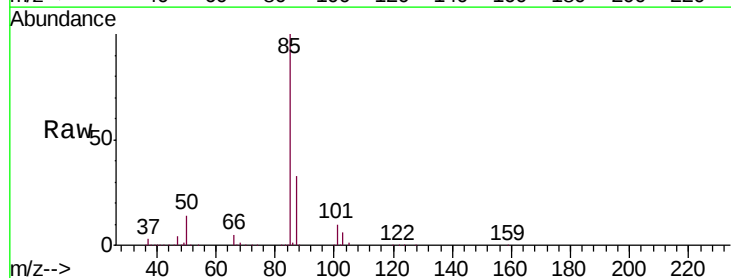
Acq: 18 Oct 2019 11:26

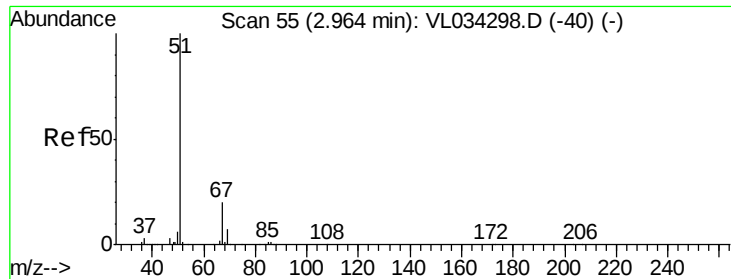
Tgt Ion: 85 Resp: 1066666

Ion Ratio Lower Upper

85 100

87 32.7 27.0 40.6

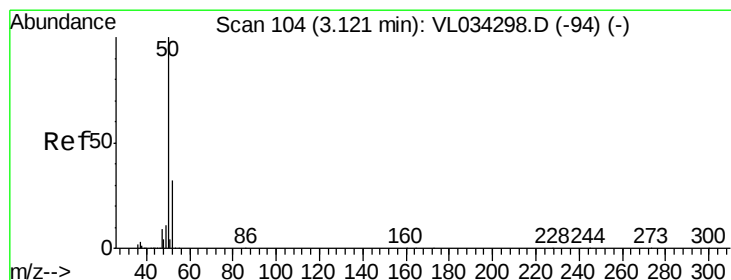
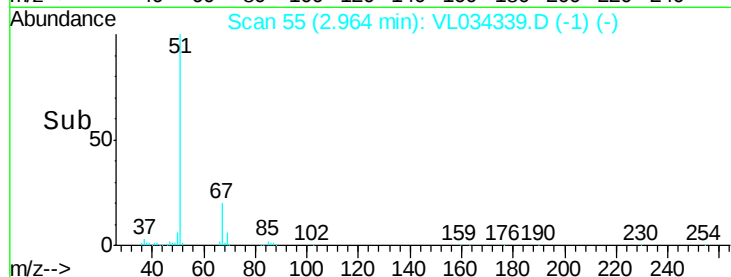
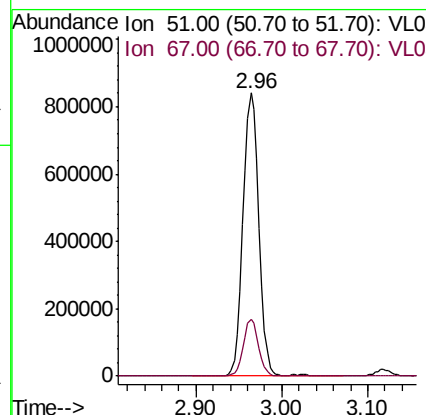
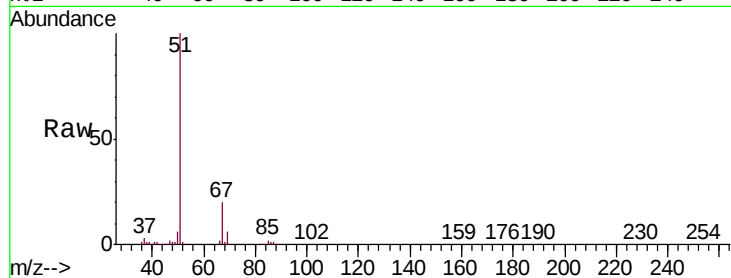




#3
Chlorodifluoromethane
Concen: 10.400 ppbv
RT: 2.96 min Scan# 55
Delta R.T. 0.00 min
Lab File: VL034339.D
Acq: 18 Oct 2019 11:26

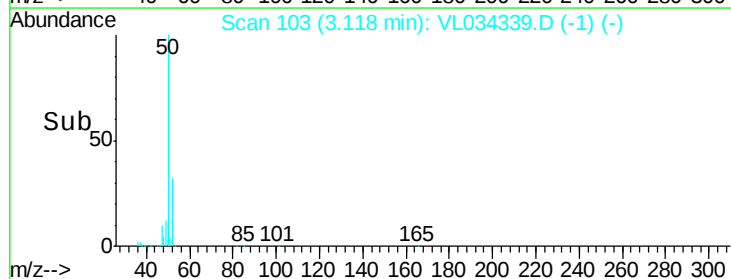
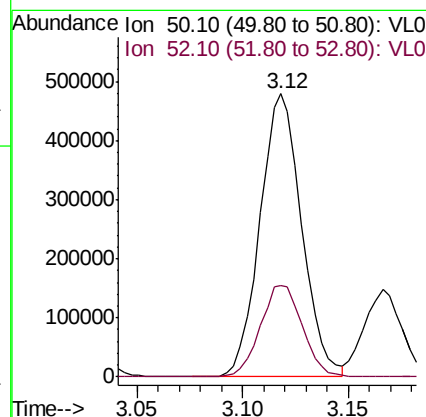
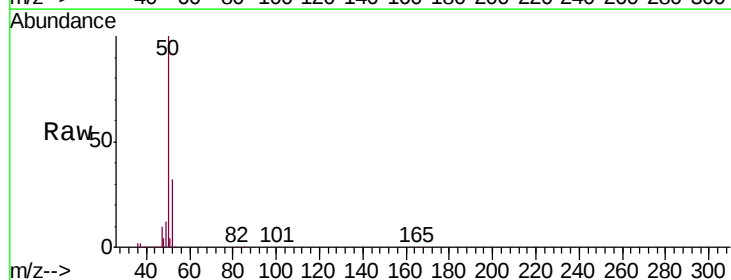
Instrument :
MSVOA_L
ClientSampleId :
VL1017SABS01

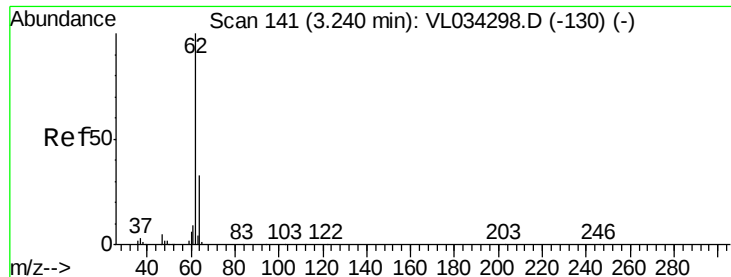
Tgt Ion: 51 Resp: 1072152
Ion Ratio Lower Upper
51 100
67 19.2 15.8 23.8



#4
Chloromethane
Concen: 10.802 ppbv
RT: 3.12 min Scan# 103
Delta R.T. -0.00 min
Lab File: VL034339.D
Acq: 18 Oct 2019 11:26

Tgt Ion: 50 Resp: 658696
Ion Ratio Lower Upper
50 100
52 32.3 25.4 38.2





#5

Vinyl Chloride

Concen: 10.474 ppbv

RT: 3.24 min Scan# 140

Delta R.T. -0.00 min

Lab File: VL034339.D

Acq: 18 Oct 2019 11:26

Instrument :

MSVOA_L

ClientSampleId :

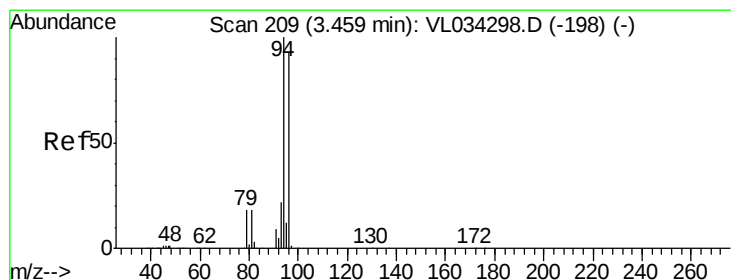
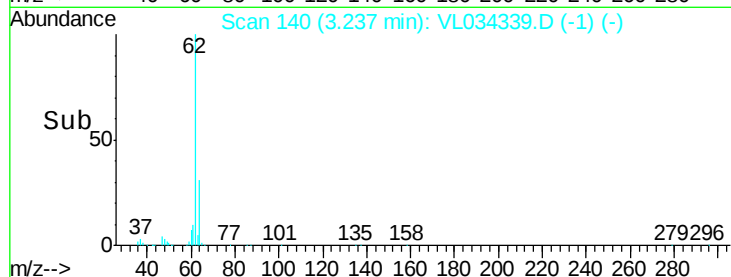
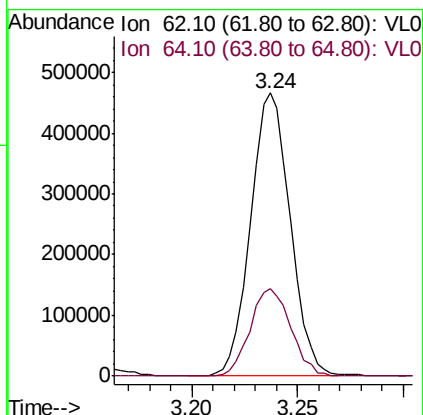
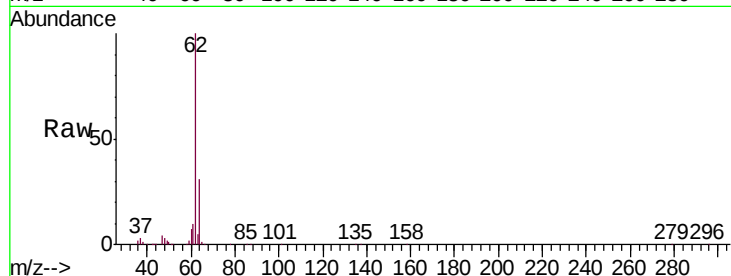
VL1017SABS01

Tgt Ion: 62 Resp: 608995

Ion Ratio Lower Upper

62 100

64 31.1 26.0 39.0



#6

Bromomethane

Concen: 11.305 ppbv

RT: 3.46 min Scan# 208

Delta R.T. -0.00 min

Lab File: VL034339.D

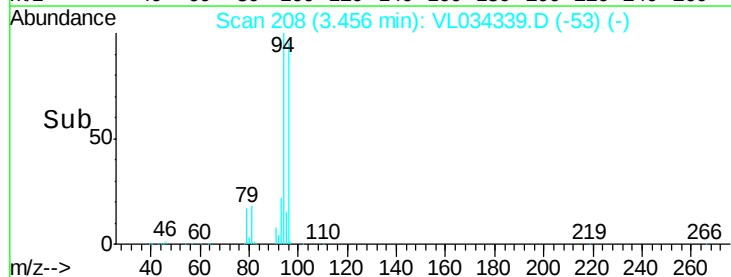
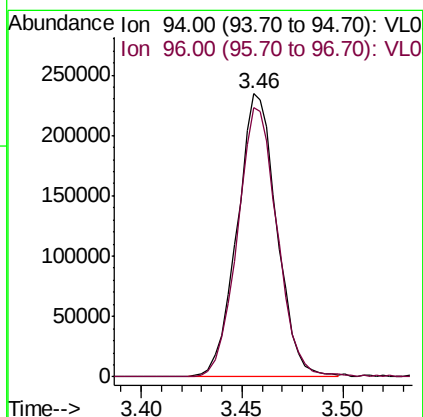
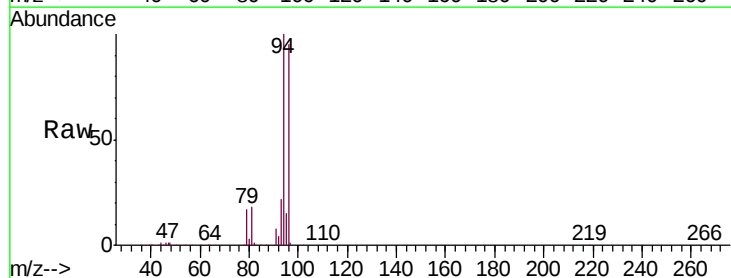
Acq: 18 Oct 2019 11:26

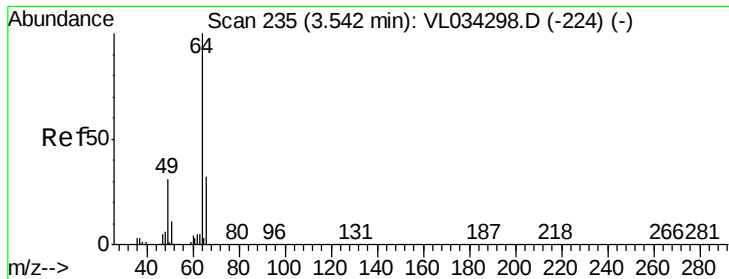
Tgt Ion: 94 Resp: 321876

Ion Ratio Lower Upper

94 100

96 94.8 74.6 112.0





#7

Chloroethane

Concen: 10.958 ppbv

RT: 3.54 min Scan# 235

Delta R.T. 0.00 min

Lab File: VL034339.D

Acq: 18 Oct 2019 11:26

Instrument :

MSVOA_L

ClientSampleId :

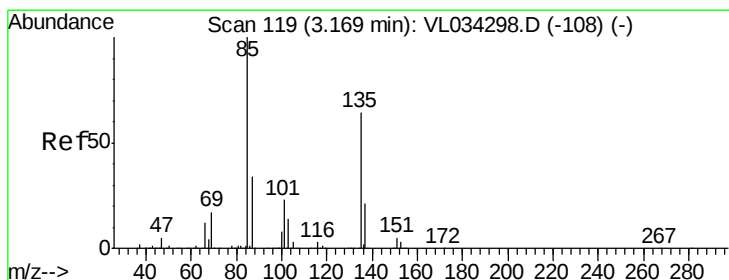
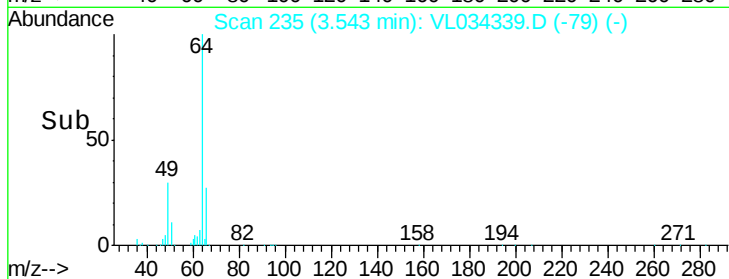
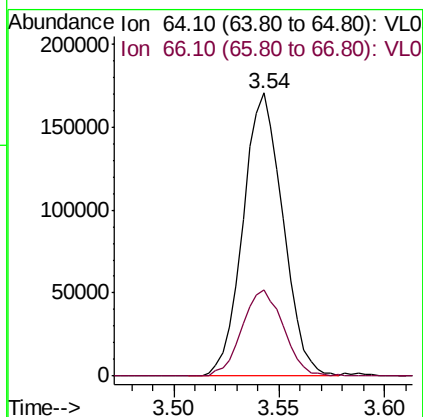
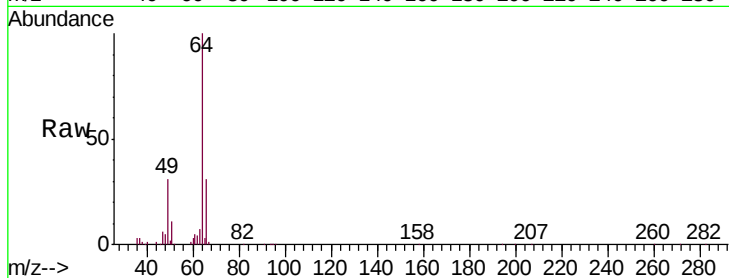
VL1017SABS01

Tgt Ion: 64 Resp: 224256

Ion Ratio Lower Upper

64 100

66 30.7 25.4 38.0



#8

Dichlorotetrafluoroethane

Concen: 10.357 ppbv

RT: 3.17 min Scan# 118

Delta R.T. -0.00 min

Lab File: VL034339.D

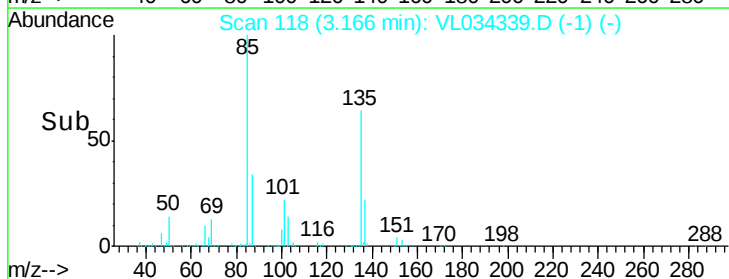
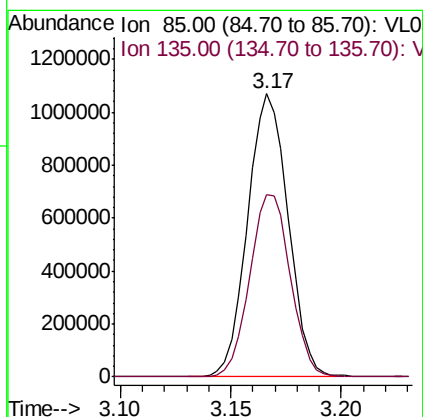
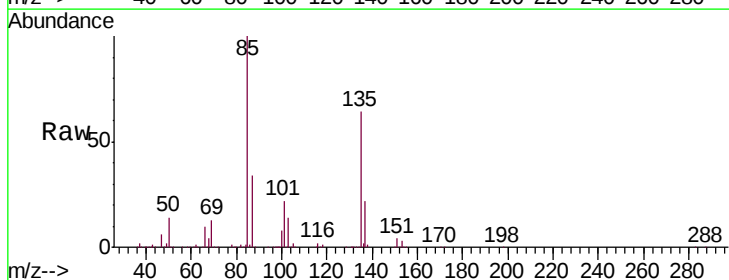
Acq: 18 Oct 2019 11:26

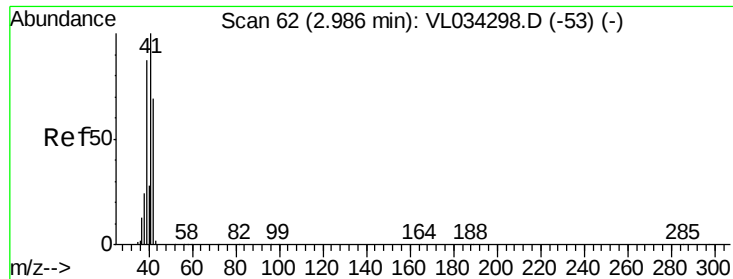
Tgt Ion: 85 Resp: 1360818

Ion Ratio Lower Upper

85 100

135 64.9 50.2 75.2





#9

Propene

Concen: 11.441 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.00 min

Lab File: VL034339.D

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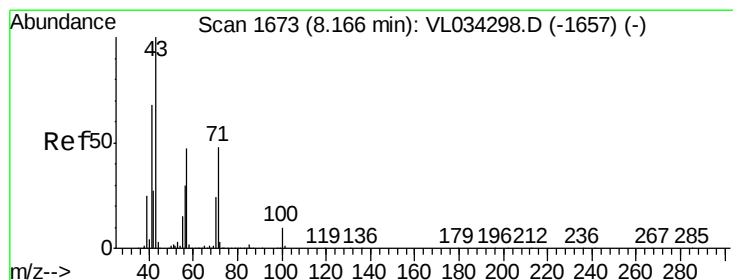
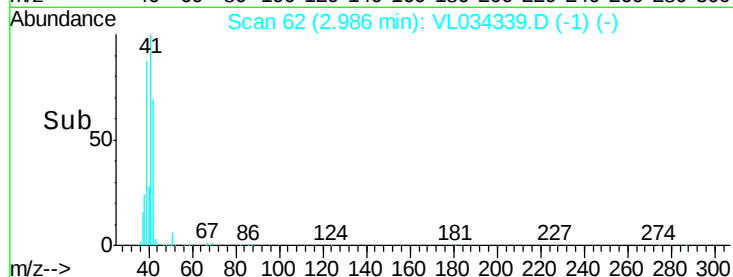
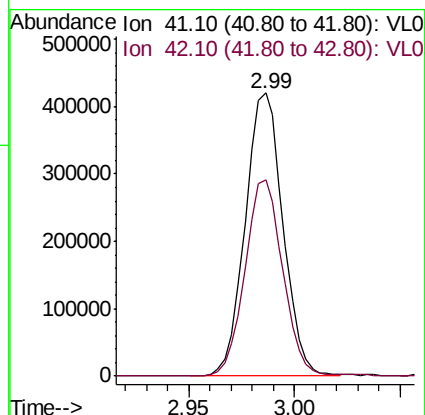
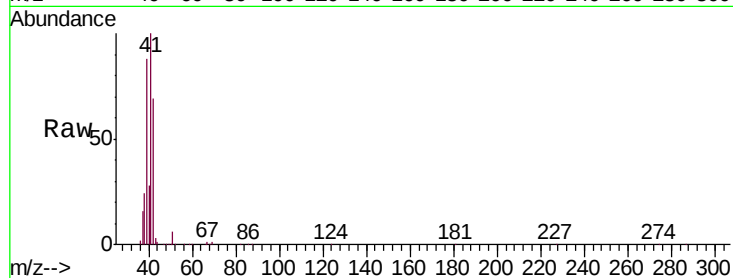
VL1017SABS01

Tgt Ion: 41 Resp: 522845

Ion Ratio Lower Upper

41 100

42 70.0 53.9 80.9



#10

Heptane

Concen: 11.822 ppbv

RT: 8.16 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VL034339.D

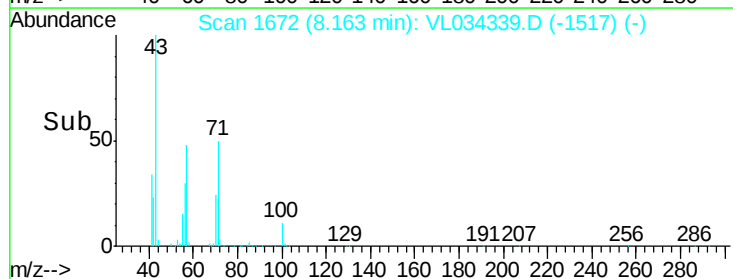
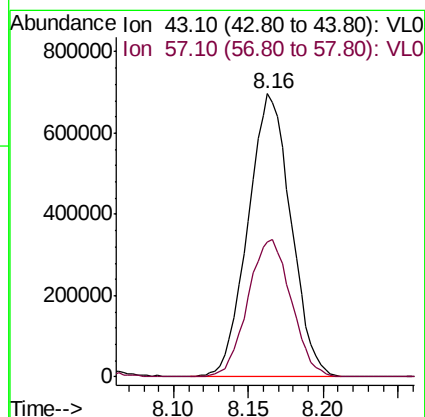
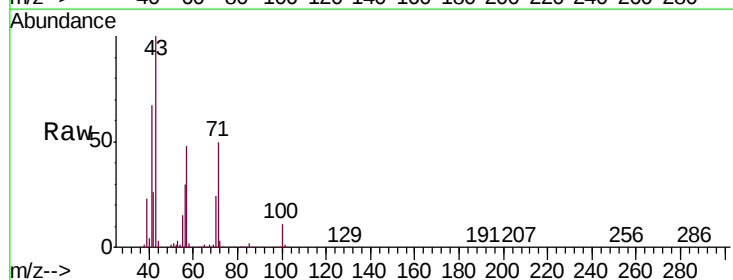
Acq: 18 Oct 2019 11:26

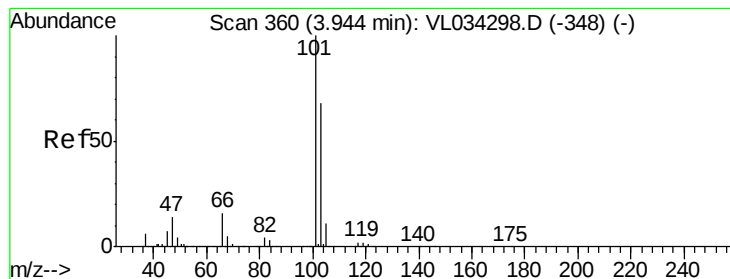
Tgt Ion: 43 Resp: 1386614

Ion Ratio Lower Upper

43 100

57 49.3 39.5 59.3





#11

Trichlorofluoromethane

Concen: 10.341 ppbv

RT: 3.94 min Scan# 359

Delta R.T. -0.00 min

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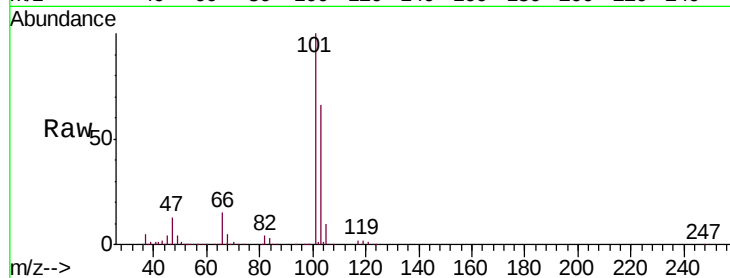
VL1017SABS01

Tgt Ion:101 Resp: 1488771

Ion Ratio Lower Upper

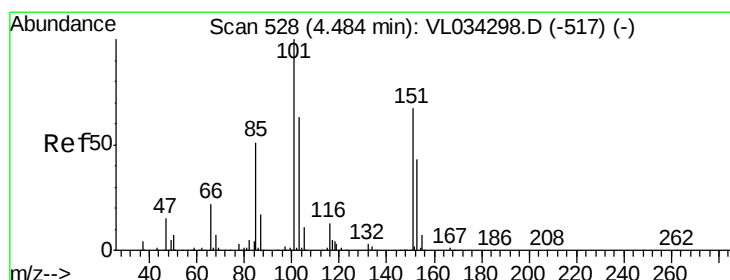
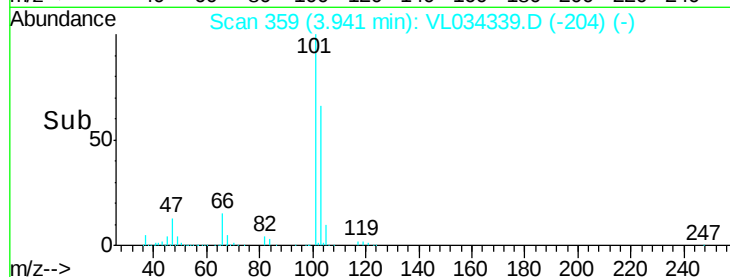
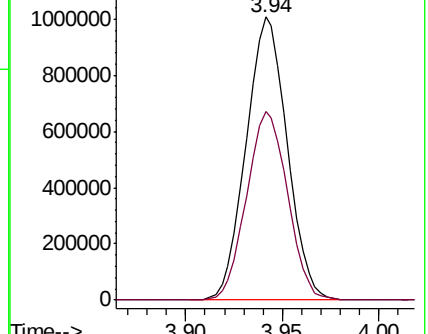
101 100

103 66.5 54.5 81.7



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: 10.818 ppbv

RT: 4.48 min Scan# 528

Delta R.T. 0.00 min

Lab File: VL034339.D

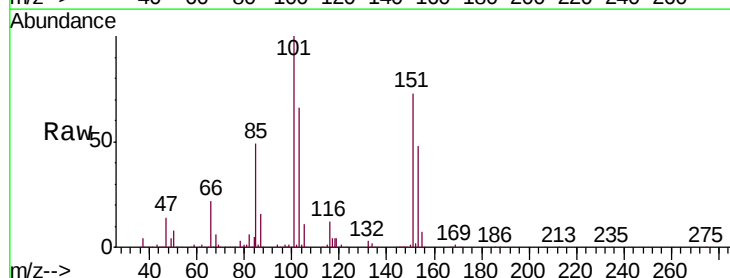
Acq: 18 Oct 2019 11:26

Tgt Ion:101 Resp: 1020289

Ion Ratio Lower Upper

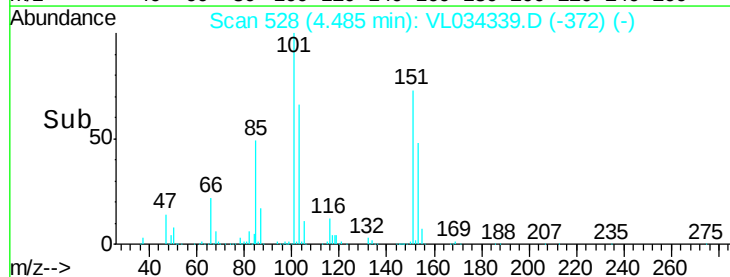
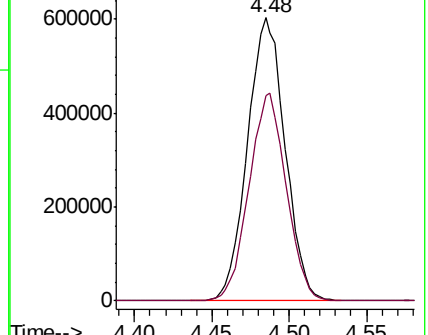
101 100

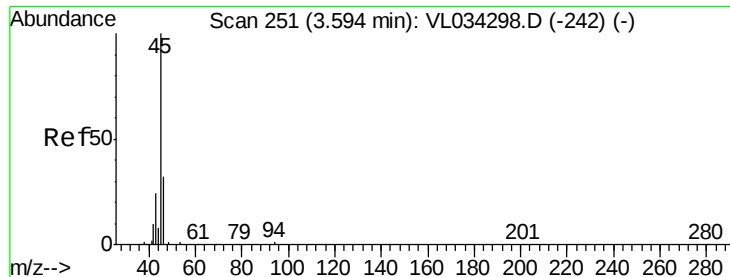
151 72.9 57.4 86.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 10.715 ppbv

RT: 3.59 min Scan# 250

Delta R.T. -0.00 min

Lab File: VL034339.D

Acq: 18 Oct 2019 11:26

Instrument :

MSVOA_L

ClientSampleId :

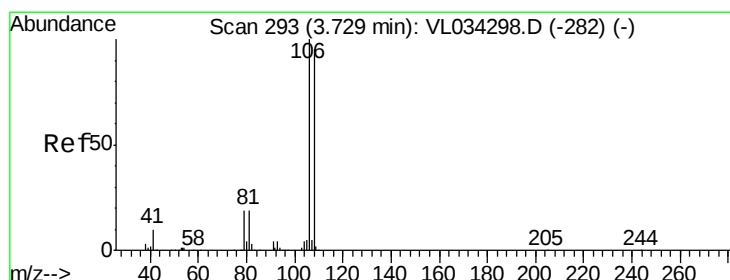
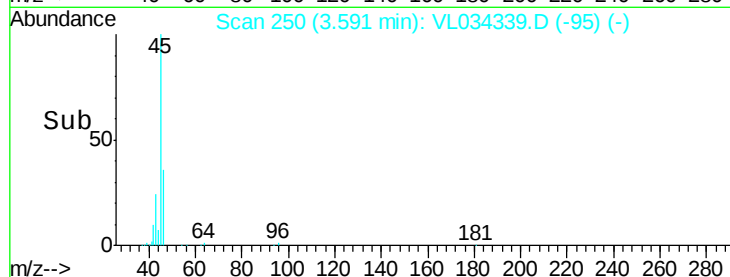
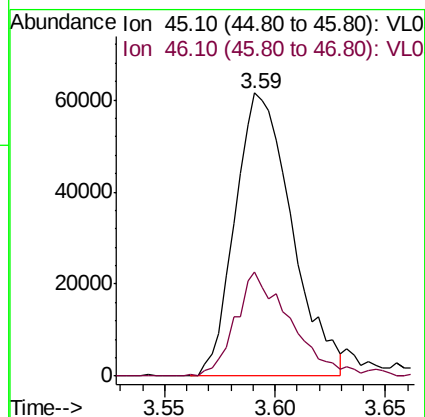
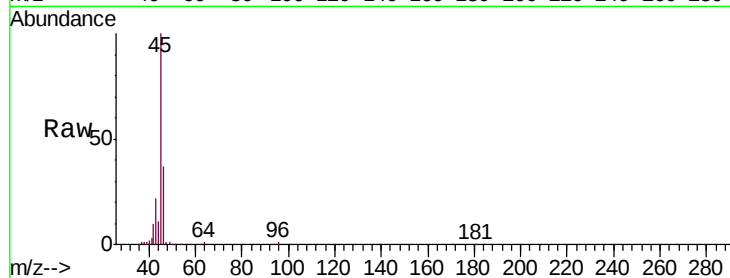
VL1017SABS01

Tgt Ion: 45 Resp: 109635

Ion Ratio Lower Upper

45 100

46 36.4 15.8 63.2



#14

Bromoethene

Concen: 11.857 ppbv

RT: 3.73 min Scan# 293

Delta R.T. 0.00 min

Lab File: VL034339.D

Acq: 18 Oct 2019 11:26

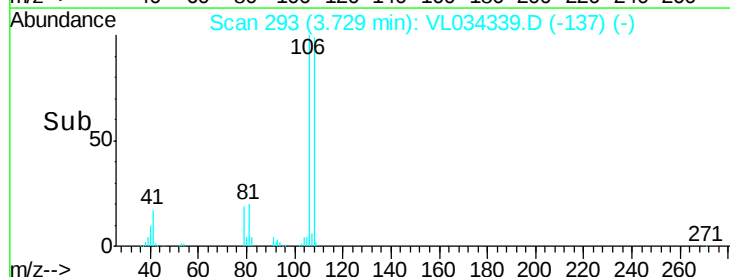
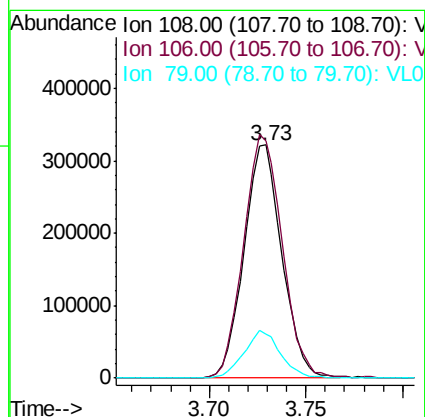
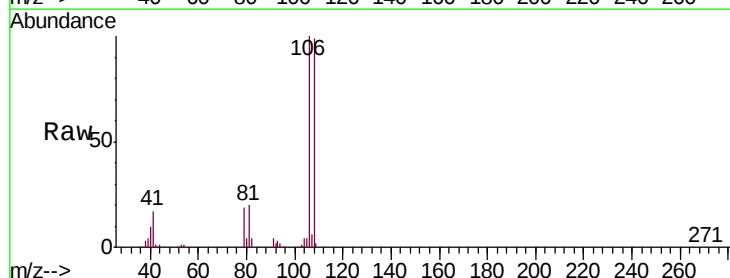
Tgt Ion: 108 Resp: 440296

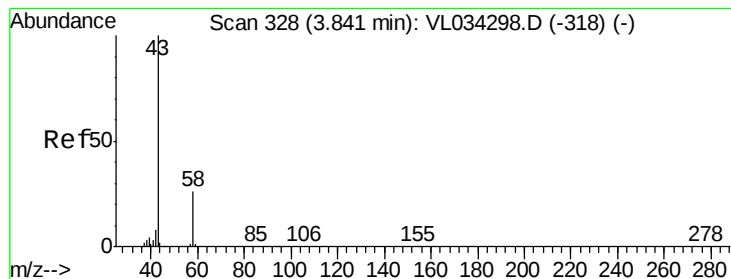
Ion Ratio Lower Upper

108 100

106 106.8 84.8 127.2

79 19.8 17.0 25.4





#15

Acetone

Concen: 8.957 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.00 min

Lab File: VL034339.D

Acq: 18 Oct 2019 11:26

Instrument :

MSVOA_L

ClientSampleId :

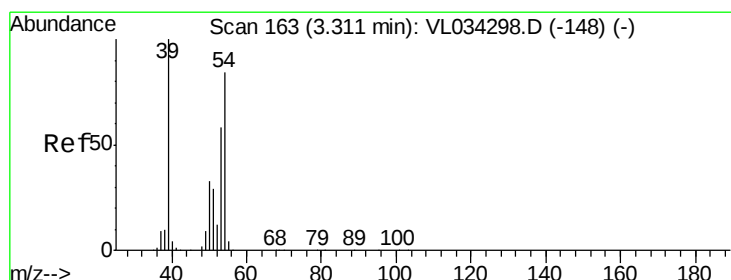
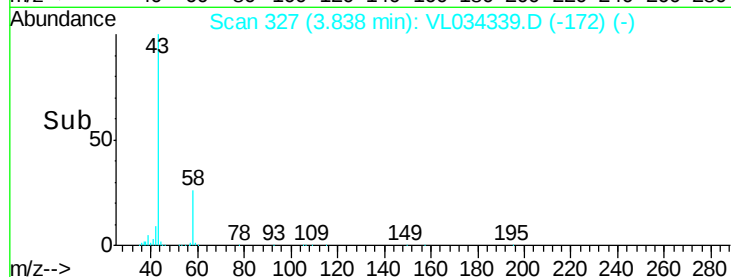
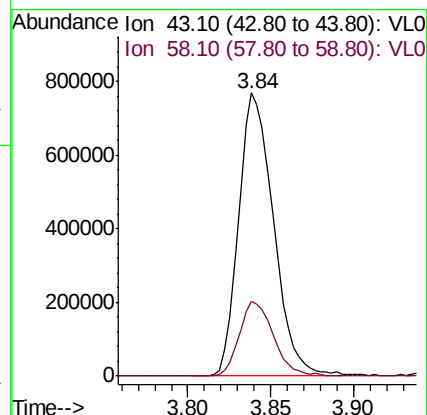
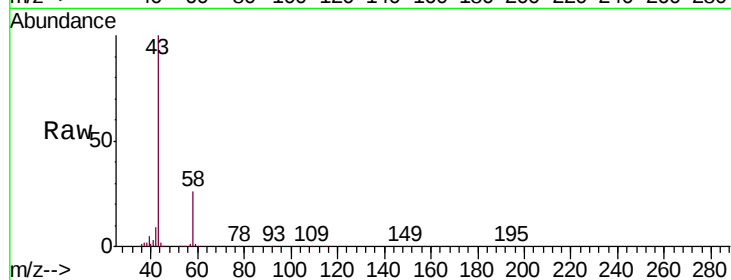
VL1017SABS01

Tgt Ion: 43 Resp: 1126873

Ion Ratio Lower Upper

43 100

58 26.1 20.4 30.6



#16

1,3-Butadiene

Concen: 11.282 ppbv

RT: 3.31 min Scan# 162

Delta R.T. -0.00 min

Lab File: VL034339.D

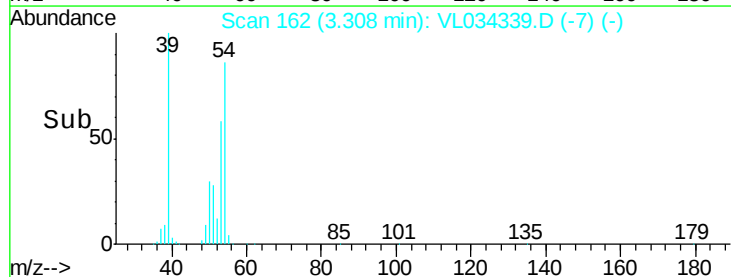
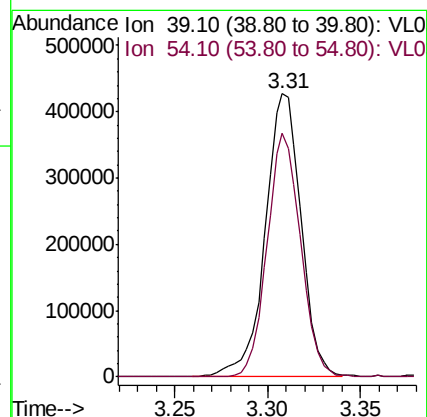
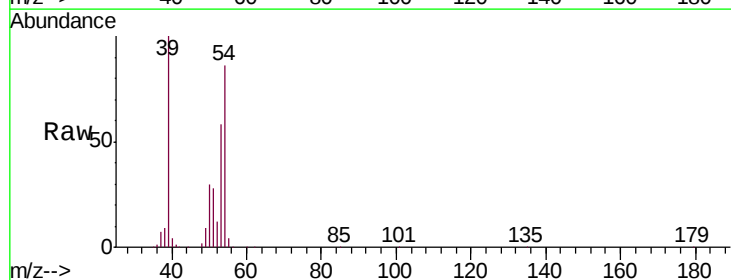
Acq: 18 Oct 2019 11:26

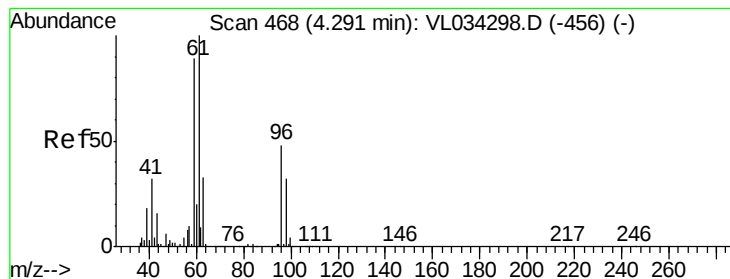
Tgt Ion: 39 Resp: 576693

Ion Ratio Lower Upper

39 100

54 80.9 63.9 95.9



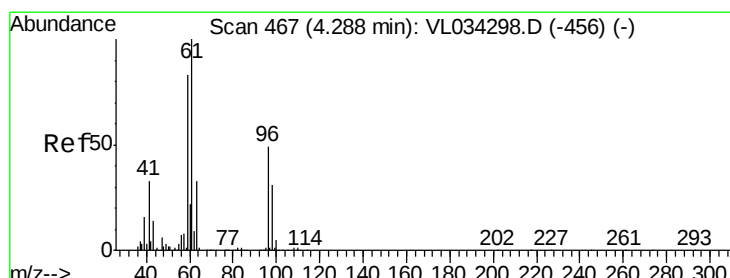
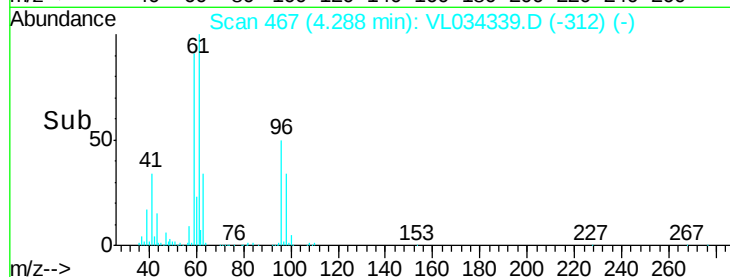
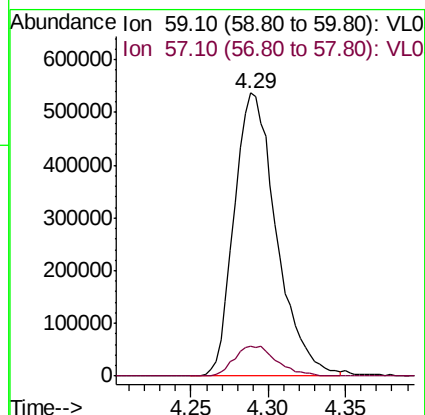
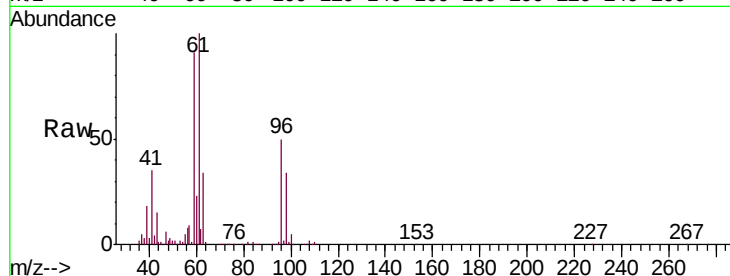


#17

tert-Butyl alcohol
 Concen: 12.700 ppbv
 RT: 4.29 min Scan# 467
 Delta R.T. -0.00 min
 Lab File: VL034339.D
 Acq: 18 Oct 2019 11:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017SABS01

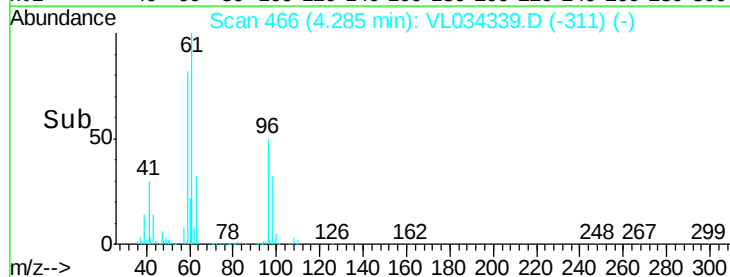
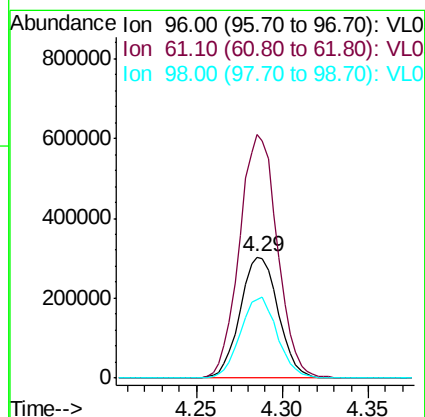
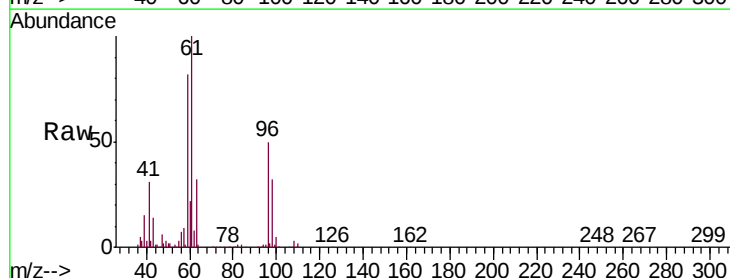
Tgt Ion: 59 Resp: 1019729
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.8 13.2

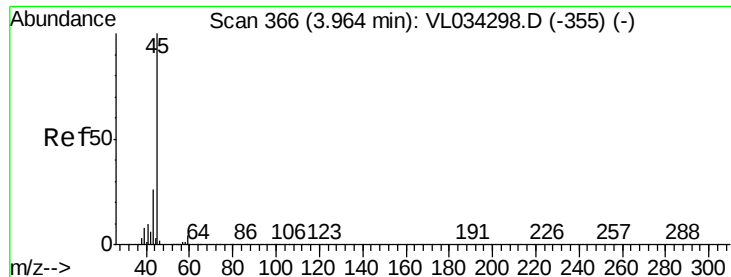


#18

1,1-Dichloroethene
 Concen: 11.251 ppbv
 RT: 4.29 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: VL034339.D
 Acq: 18 Oct 2019 11:26

Tgt Ion: 96 Resp: 464614
 Ion Ratio Lower Upper
 96 100
 61 201.5 164.5 246.7
 98 65.3 51.7 77.5

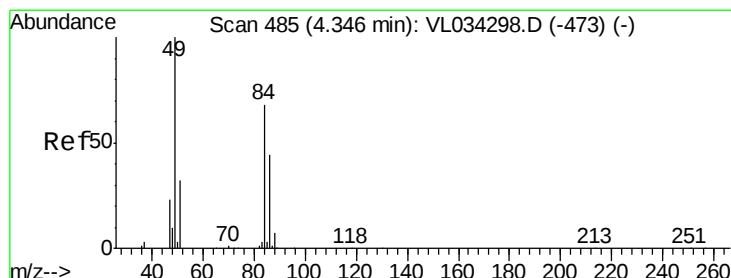
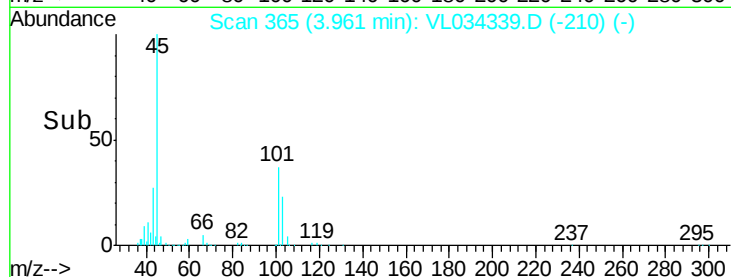
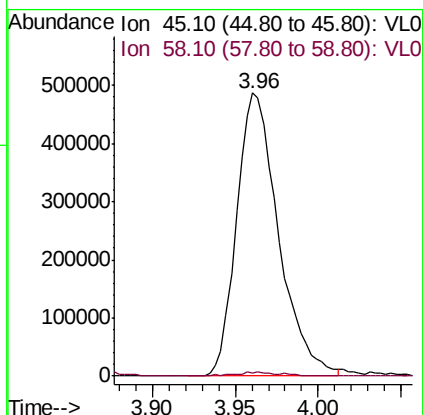
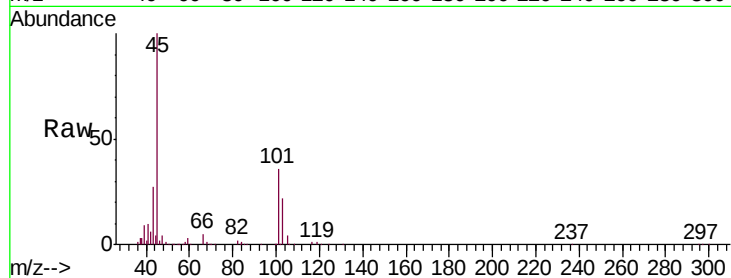




#19
Isopropyl Alcohol
Concen: 12.142 ppbv
RT: 3.96 min Scan# 365
Delta R.T. -0.00 min
Lab File: VL034339.D
Acq: 18 Oct 2019 11:26

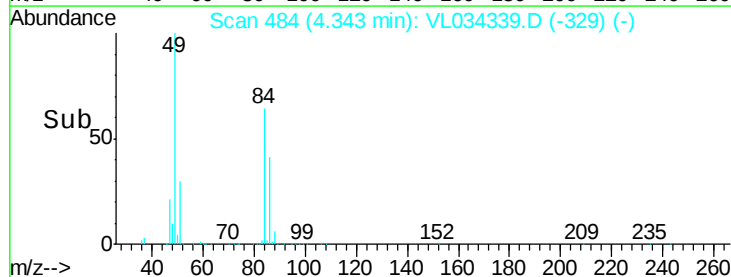
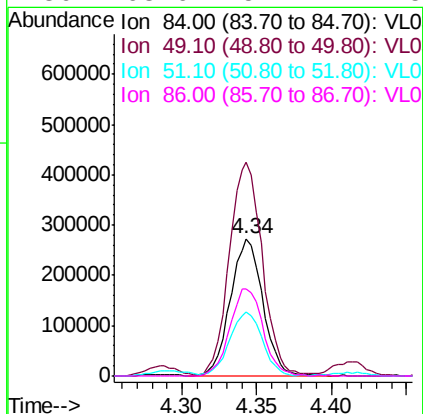
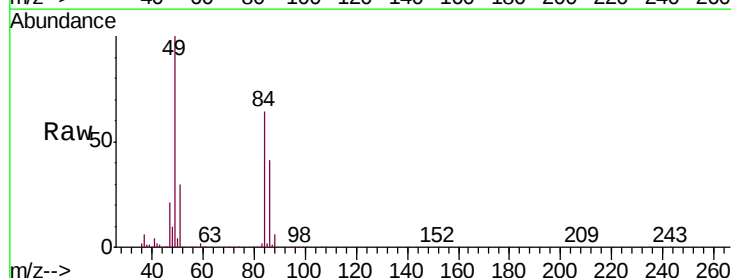
Instrument :
MSVOA_L
ClientSampleId :
VL1017SABS01

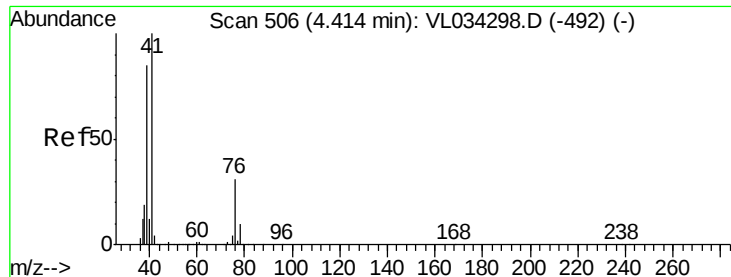
Tgt Ion: 45 Resp: 852127
Ion Ratio Lower Upper
45 100
58 1.8 1.4 2.2



#20
Methylene Chloride
Concen: 9.039 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.00 min
Lab File: VL034339.D
Acq: 18 Oct 2019 11:26

Tgt Ion: 84 Resp: 411083
Ion Ratio Lower Upper
84 100
49 153.6 118.5 177.7
51 44.0 38.8 58.2
86 63.6 51.7 77.5

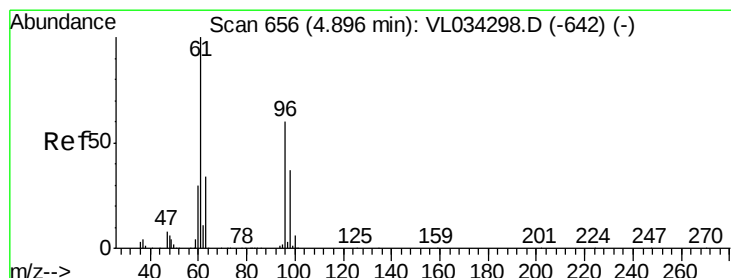
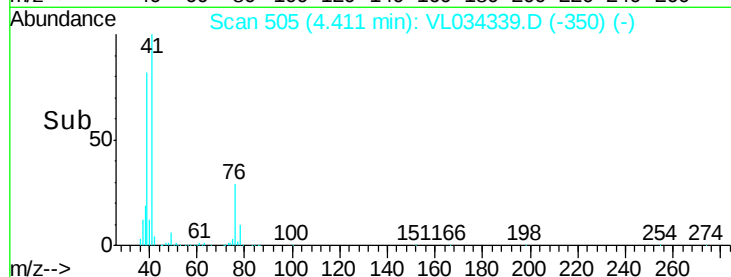
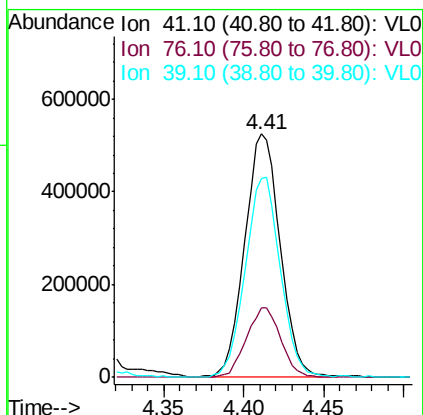
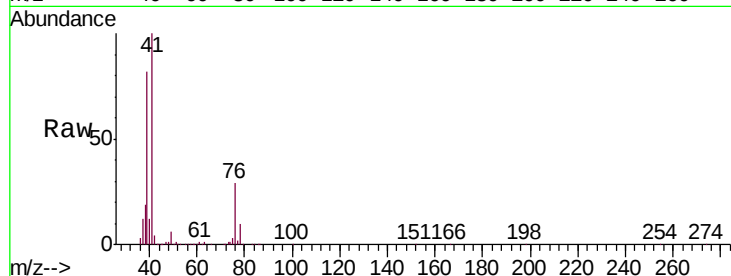




#21
 Allyl Chloride
 Concen: 11.328 ppbv
 RT: 4.41 min Scan# 505
 Delta R.T. -0.00 min
 Lab File: VL034339.D
 Acq: 18 Oct 2019 11:26

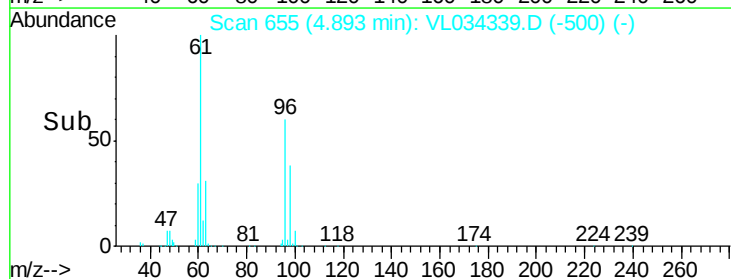
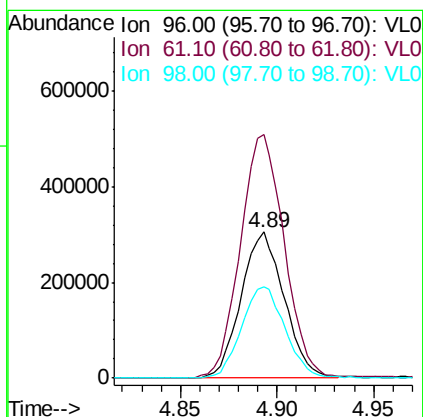
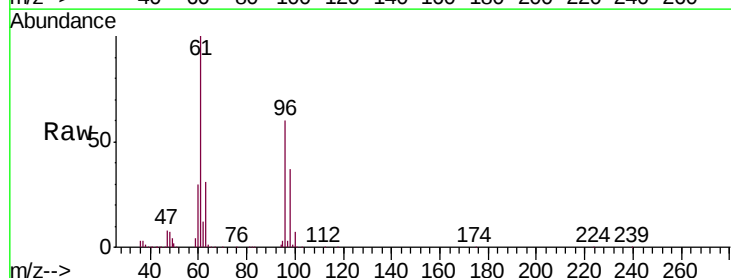
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017SABS01

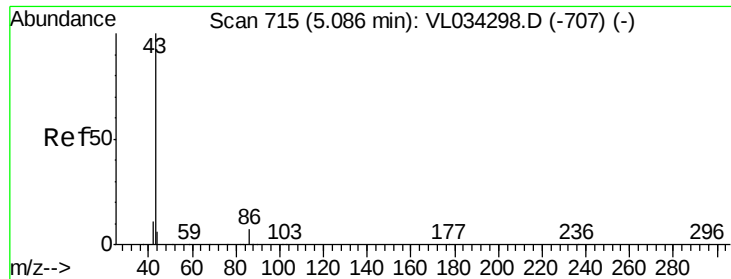
Tgt Ion: 41 Resp: 787825
 Ion Ratio Lower Upper
 41 100
 76 28.2 22.8 34.2
 39 81.9 66.0 99.0



#22
 trans-1,2-Dichloroethene
 Concen: 11.473 ppbv
 RT: 4.89 min Scan# 655
 Delta R.T. -0.00 min
 Lab File: VL034339.D
 Acq: 18 Oct 2019 11:26

Tgt Ion: 96 Resp: 472570
 Ion Ratio Lower Upper
 96 100
 61 166.6 133.8 200.6
 98 62.3 49.4 74.0





#23

Vinyl Acetate

Concen: 11.744 ppbv

RT: 5.08 min Scan# 714

Delta R.T. -0.00 min

Lab File: VL034339.D

Acq: 18 Oct 2019 11:26

Instrument :

MSVOA_L

ClientSampleId :

VL1017SABS01

Tgt Ion: 43 Resp: 1845009

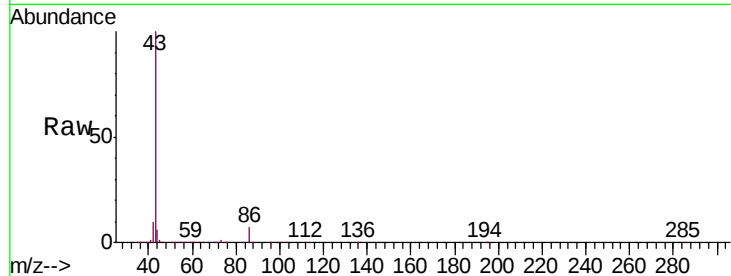
Ion Ratio Lower Upper

43 100

86 6.9 5.0 7.4

42 10.2 8.6 13.0

44 5.3 4.8 7.2

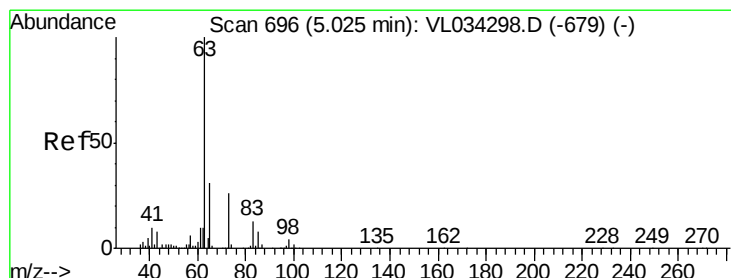
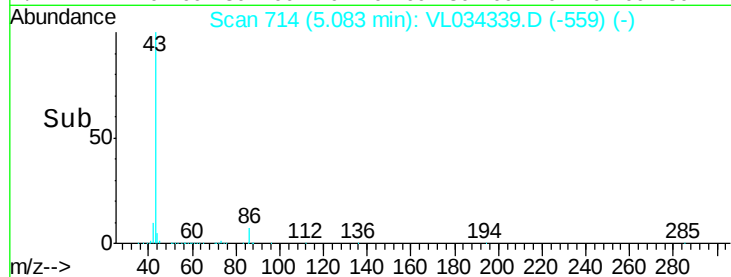
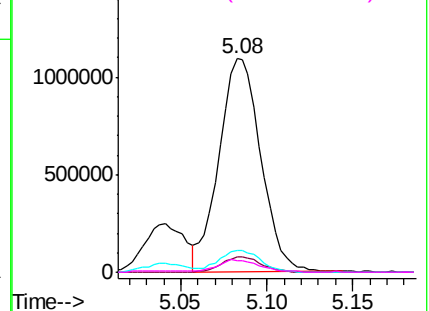


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.822 ppbv

RT: 5.02 min Scan# 695

Delta R.T. -0.00 min

Lab File: VL034339.D

Acq: 18 Oct 2019 11:26

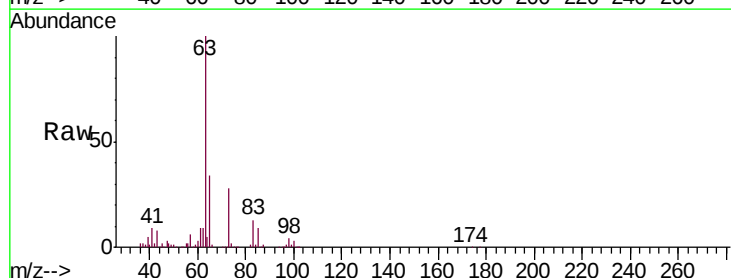
Tgt Ion: 63 Resp: 1261804

Ion Ratio Lower Upper

63 100

98 4.4 2.0 6.0

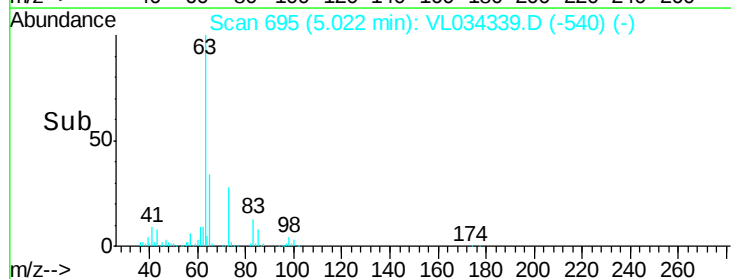
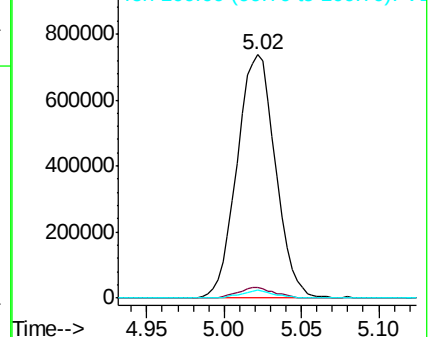
100 3.2 1.1 3.5

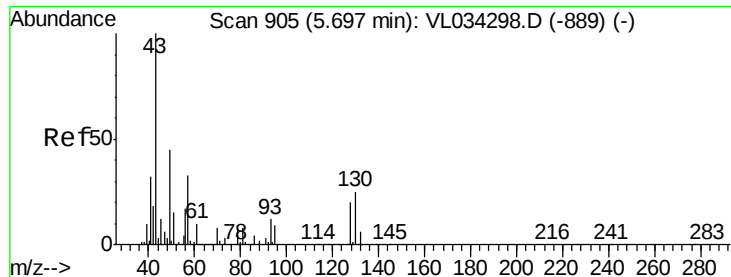


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

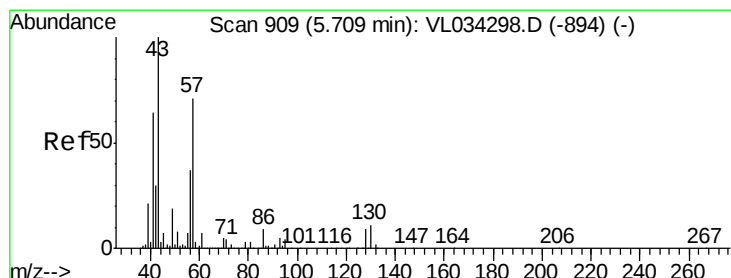
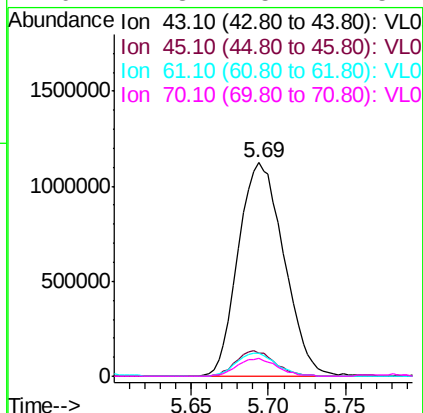
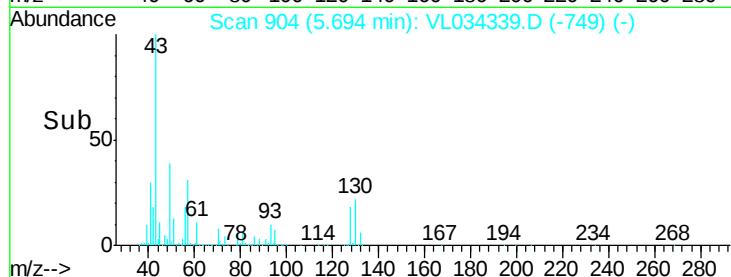
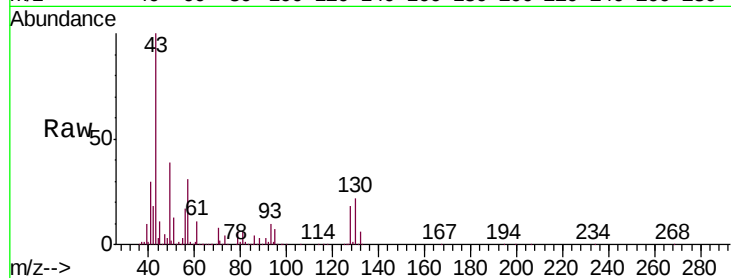




#25
Ethyl Acetate
Concen: 10.850 ppbv
RT: 5.69 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL034339.D
Acq: 18 Oct 2019 11:26

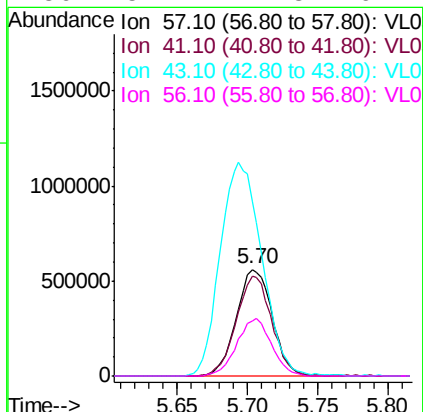
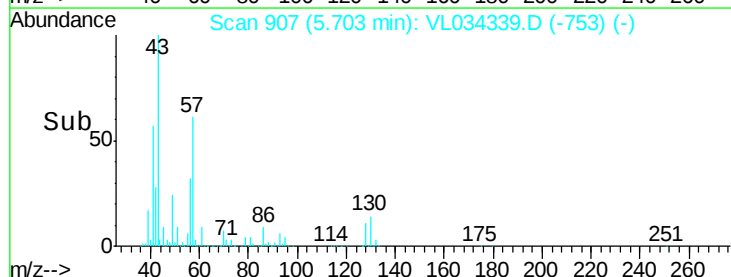
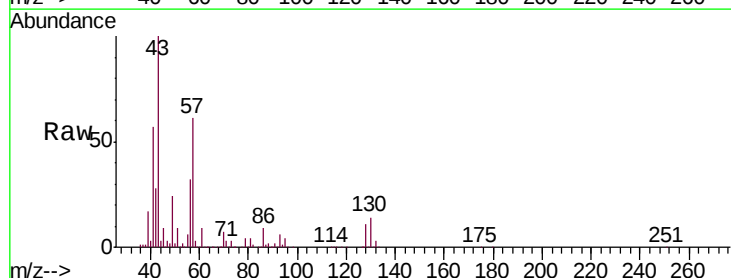
Instrument :
MSVOA_L
ClientSampleId :
VL1017SABS01

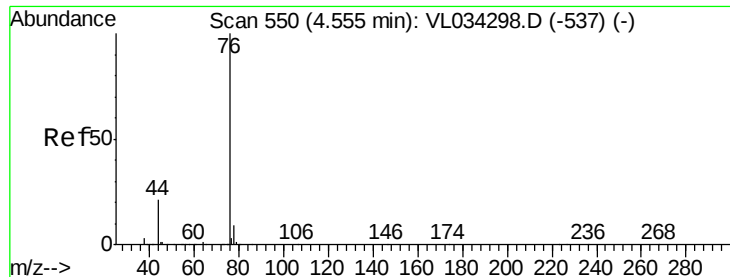
Tgt Ion:	43	Resp:	2304395
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.3	12.5
61	9.8	7.7	11.5
70	7.3	5.4	8.2



#26
Hexane
Concen: 11.008 ppbv
RT: 5.70 min Scan# 907
Delta R.T. -0.01 min
Lab File: VL034339.D
Acq: 18 Oct 2019 11:26

Tgt Ion:	57	Resp:	996496
Ion	Ratio	Lower	Upper
57	100		
41	93.3	76.5	114.7
43	232.6	188.5	282.7
56	52.4	42.8	64.2





#27

Carbon Disulfide

Concen: 12.256 ppbv

RT: 4.55 min Scan# 549

Delta R.T. -0.00 min

Lab File: VL034339.D

Acq: 18 Oct 2019 11:26

Instrument :

MSVOA_L

ClientSampleId :

VL1017SABS01

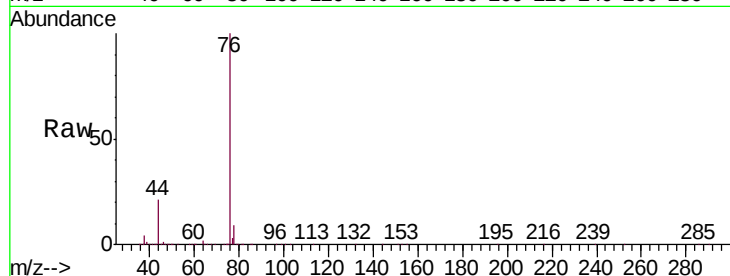
Tgt Ion: 76 Resp: 1151886

Ion Ratio Lower Upper

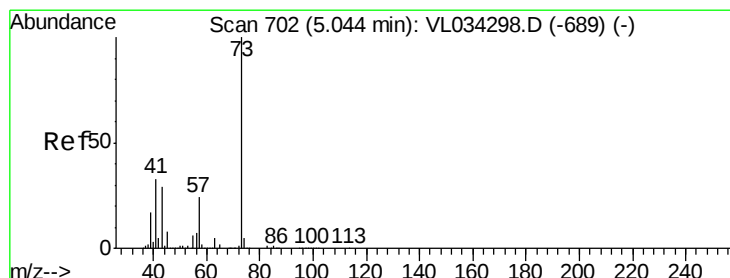
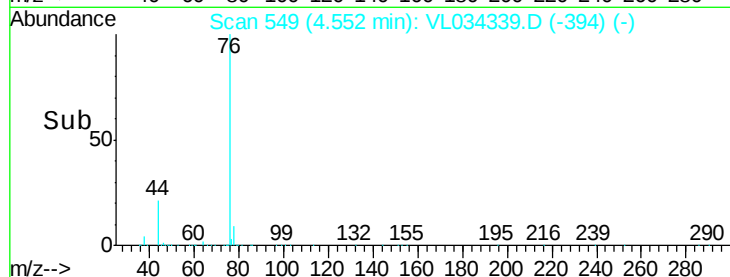
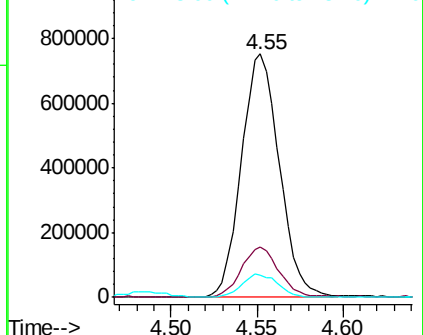
76 100

44 20.4 17.3 25.9

78 8.9 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 11.851 ppbv

RT: 5.04 min Scan# 701

Delta R.T. -0.00 min

Lab File: VL034339.D

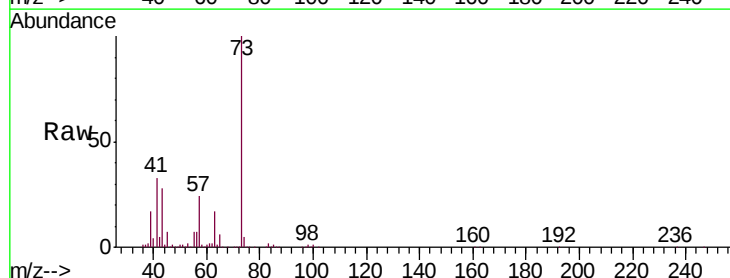
Acq: 18 Oct 2019 11:26

Tgt Ion: 73 Resp: 1623599

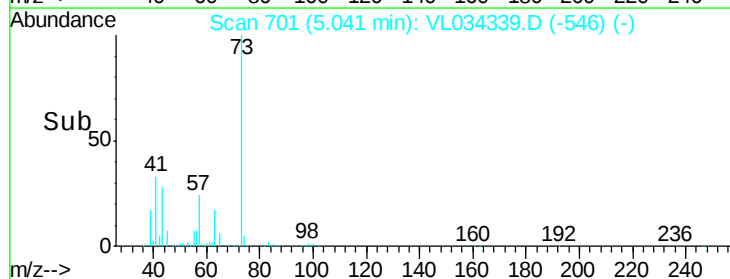
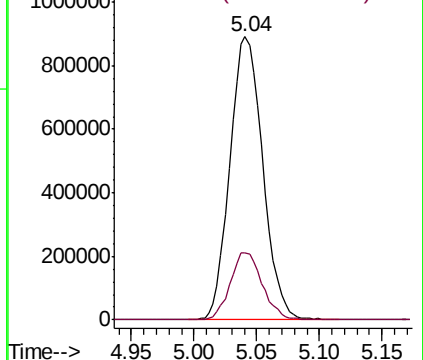
Ion Ratio Lower Upper

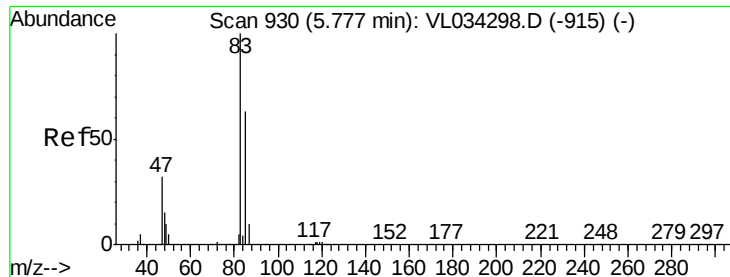
73 100

57 23.2 19.2 28.8



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

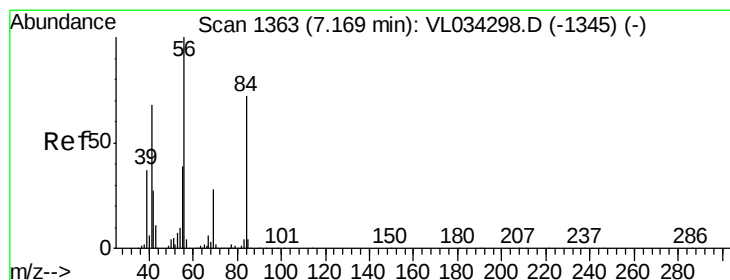
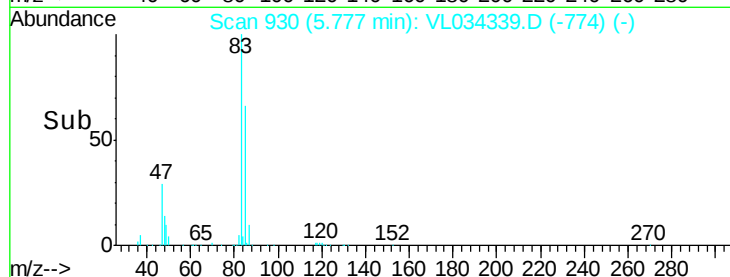
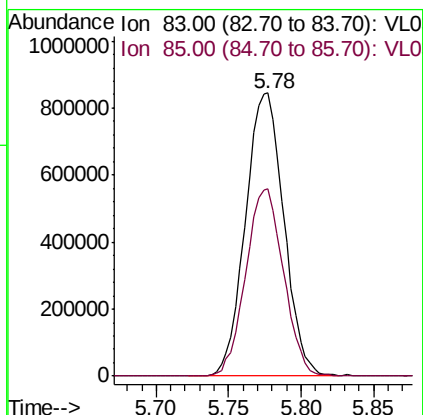
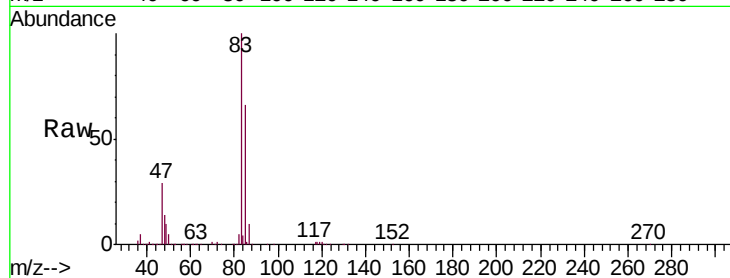




#29
Chloroform
Concen: 10.886 ppbv
RT: 5.78 min Scan# 930
Delta R.T. 0.00 min
Lab File: VL034339.D
Acq: 18 Oct 2019 11:26

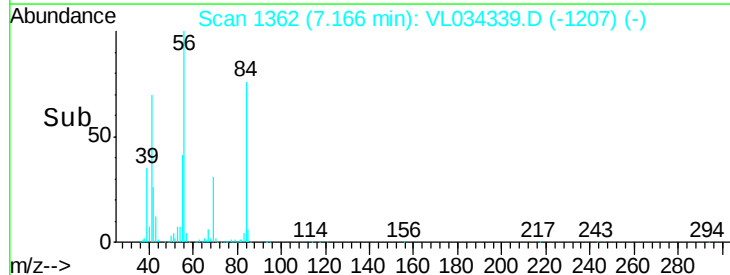
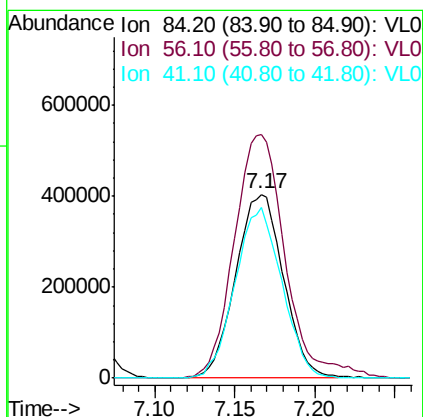
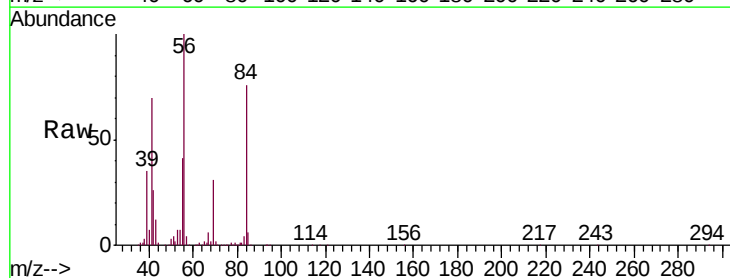
Instrument :
MSVOA_L
ClientSampleId :
VL1017SABS01

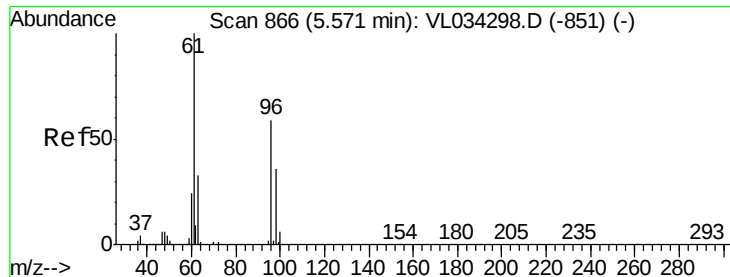
Tgt Ion: 83 Resp: 1558806
Ion Ratio Lower Upper
83 100
85 65.9 50.5 75.7



#30
Cyclohexane
Concen: 12.415 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VL034339.D
Acq: 18 Oct 2019 11:26

Tgt Ion: 84 Resp: 826574
Ion Ratio Lower Upper
84 100
56 142.0 119.4 179.0
41 91.0 78.7 118.1



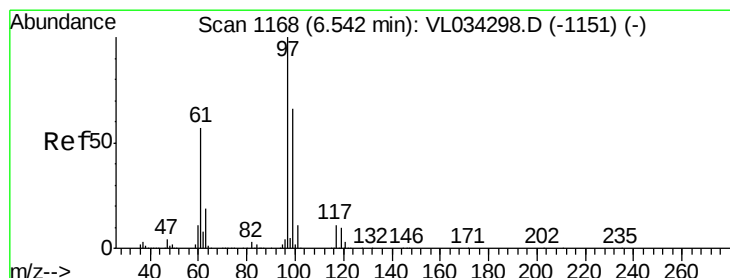
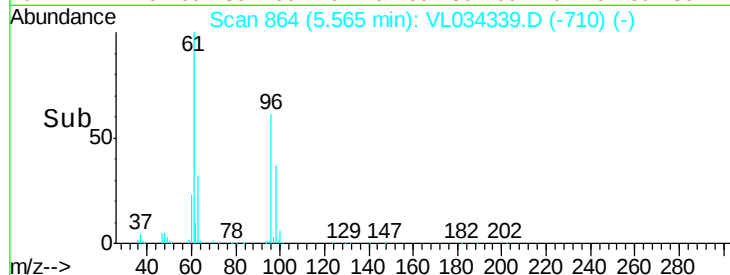
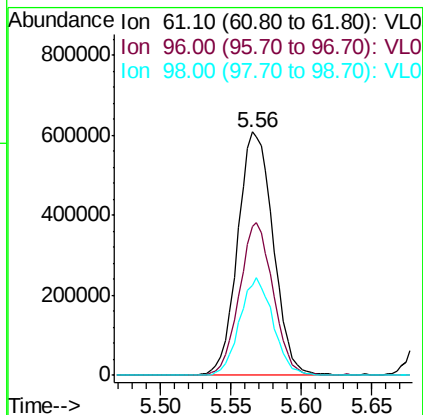
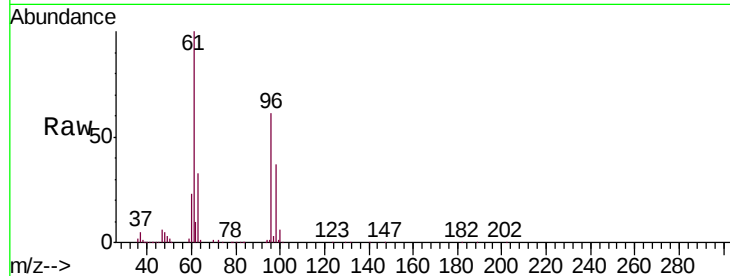


#31

cis-1,2-Dichloroethene
Concen: 11.682 ppbv
RT: 5.56 min Scan# 864
Delta R.T. -0.01 min
Lab File: VL034339.D
Acq: 18 Oct 2019 11:26

Instrument :
MSVOA_L
ClientSampleId :
VL1017SABS01

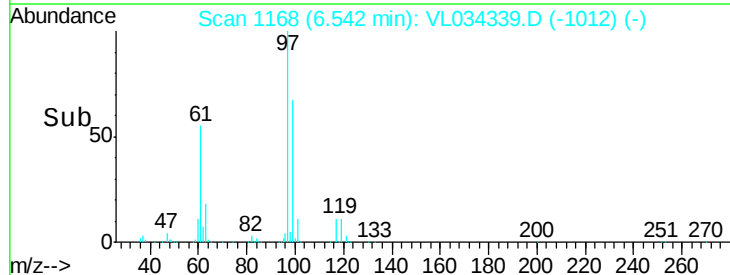
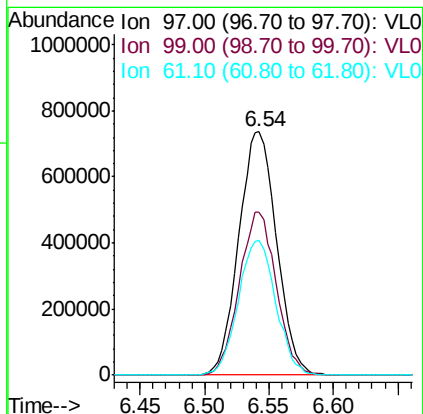
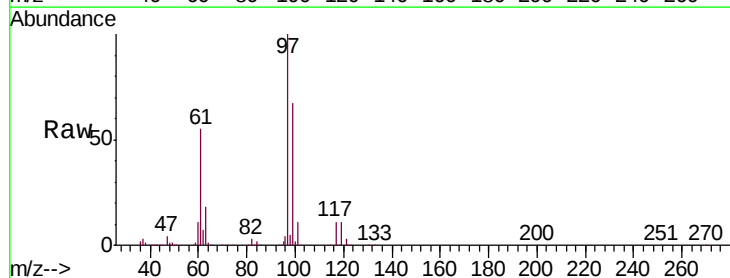
Tgt Ion: 61 Resp: 1073263
Ion Ratio Lower Upper
61 100
96 61.4 47.5 71.3
98 37.0 28.8 43.2

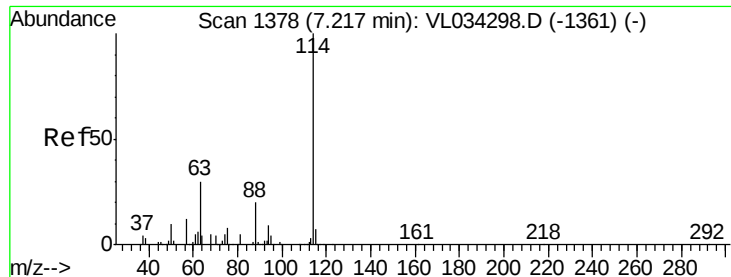


#32

1,1,1-Trichloroethane
Concen: 10.828 ppbv
RT: 6.54 min Scan# 1168
Delta R.T. 0.00 min
Lab File: VL034339.D
Acq: 18 Oct 2019 11:26

Tgt Ion: 97 Resp: 1507802
Ion Ratio Lower Upper
97 100
99 65.5 52.6 78.8
61 55.0 44.5 66.7

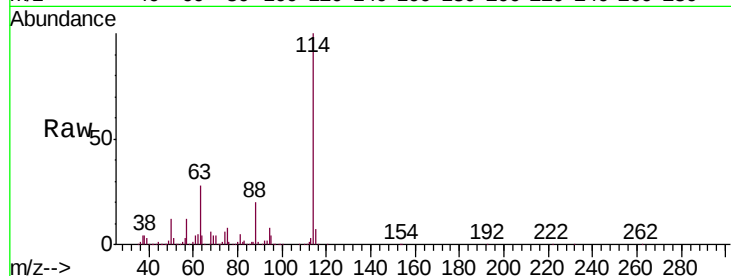




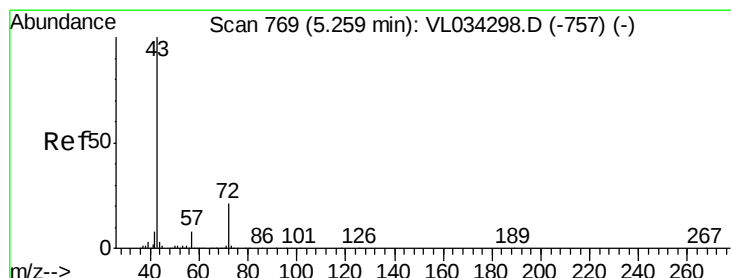
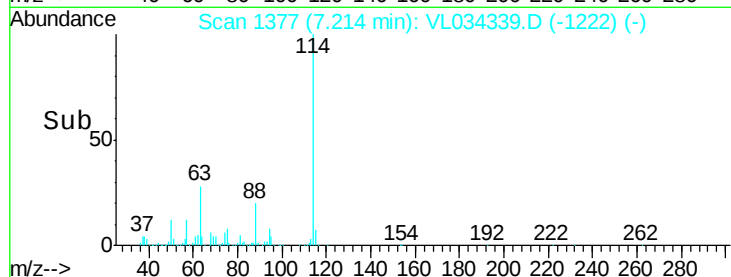
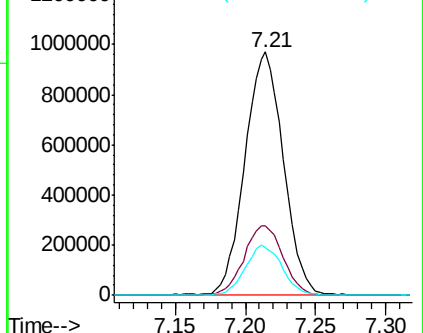
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VL034339.D
 Acq: 18 Oct 2019 11:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017SABS01

Tgt Ion: 114 Resp: 1848556
 Ion Ratio Lower Upper
 114 100
 63 29.6 25.2 37.8
 88 19.7 16.0 24.0

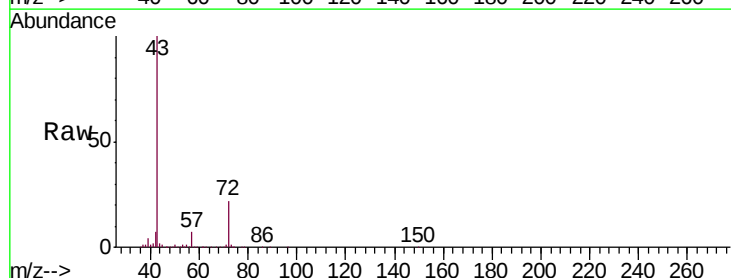


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

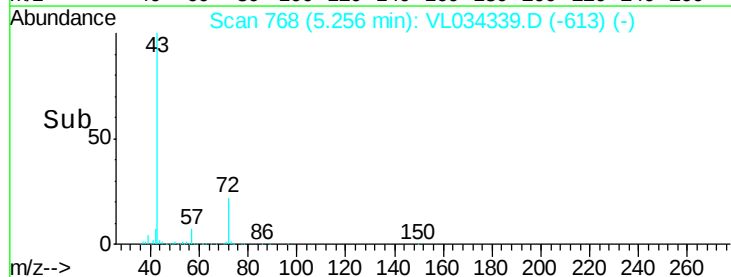
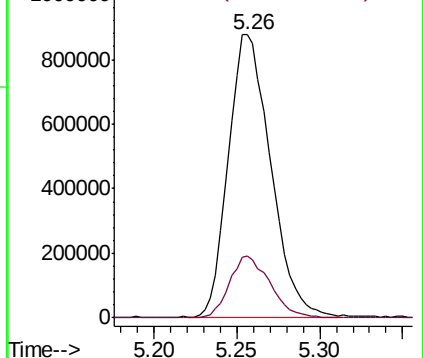


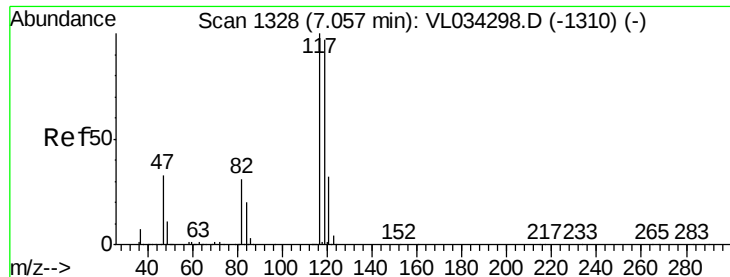
#34
 2-Butanone
 Concen: 10.268 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VL034339.D
 Acq: 18 Oct 2019 11:26

Tgt Ion: 43 Resp: 1551453
 Ion Ratio Lower Upper
 43 100
 72 21.2 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: 9.790 ppbv

RT: 7.05 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VL034339.D

Acq: 18 Oct 2019 11:26

Instrument :

MSVOA_L

ClientSampleId :

VL1017SABS01

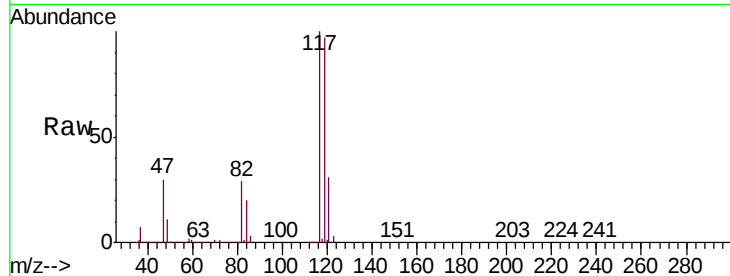
Tgt Ion:117 Resp: 1576330

Ion Ratio Lower Upper

117 100

119 96.7 77.3 115.9

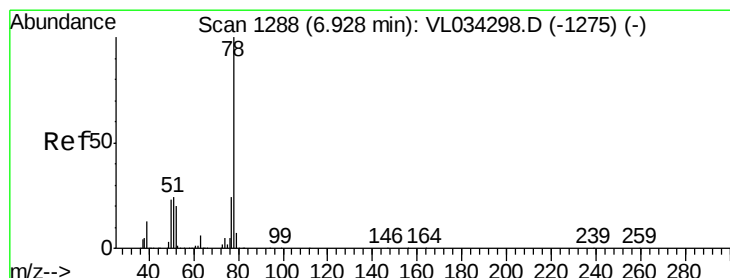
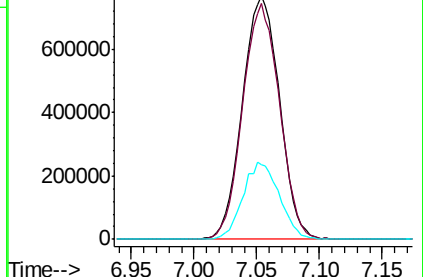
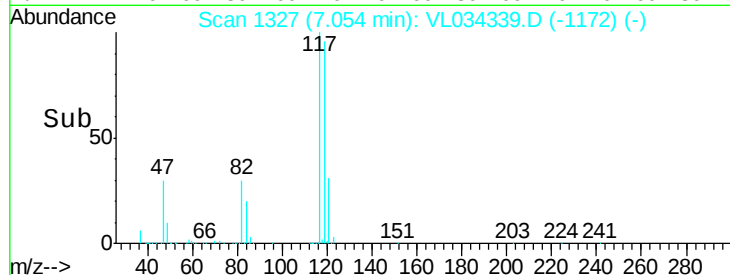
121 30.6 25.5 38.3



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: 11.047 ppbv

RT: 6.92 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VL034339.D

Acq: 18 Oct 2019 11:26

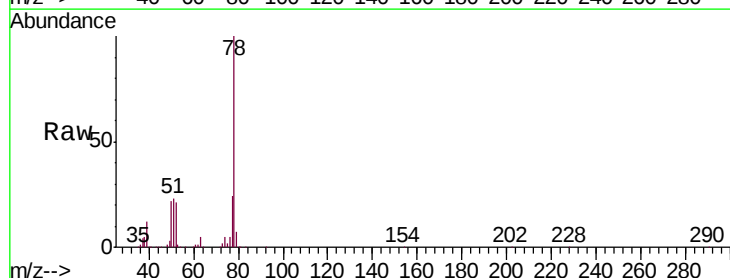
Tgt Ion: 78 Resp: 1959305

Ion Ratio Lower Upper

78 100

77 23.7 19.0 28.4

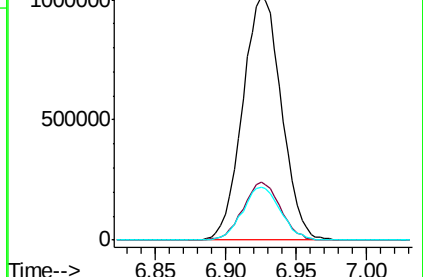
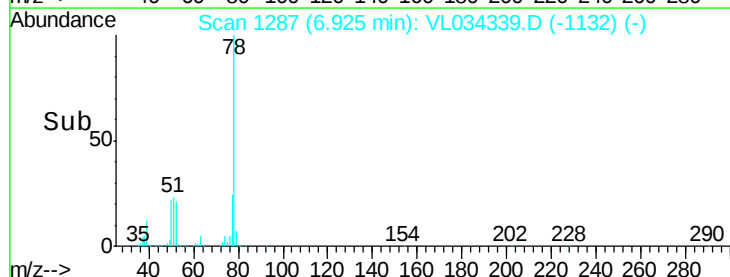
50 21.7 18.6 27.8

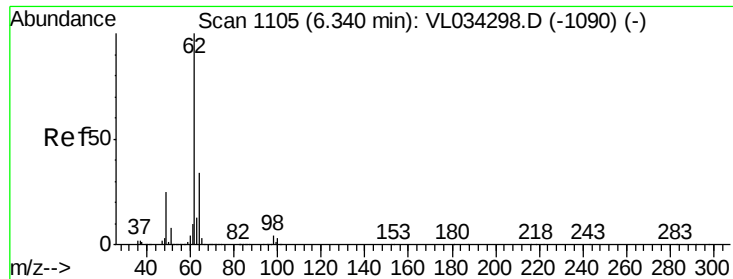


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

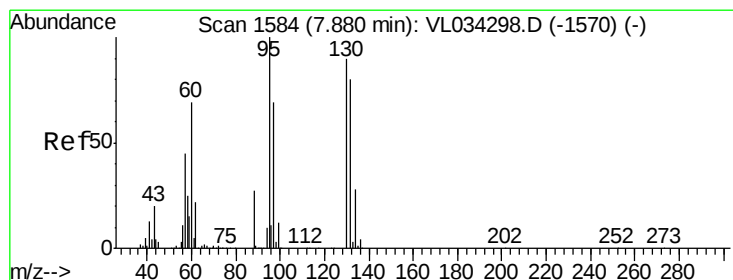
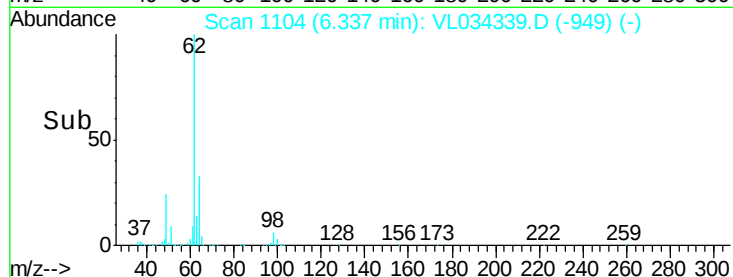
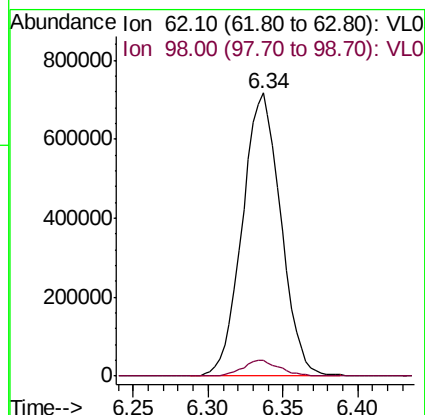
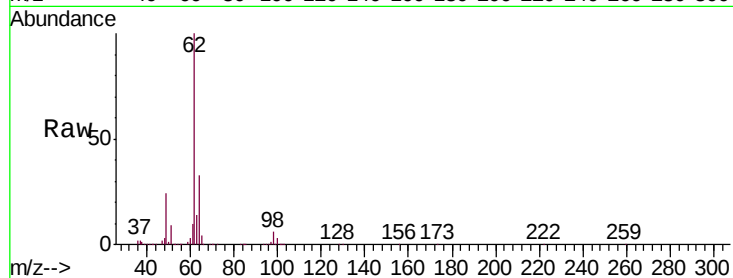




#37
 1,2-Dichloroethane
 Concen: 9.711 ppbv
 RT: 6.34 min Scan# 1104
 Delta R.T. -0.00 min
 Lab File: VL034339.D
 Acq: 18 Oct 2019 11:26

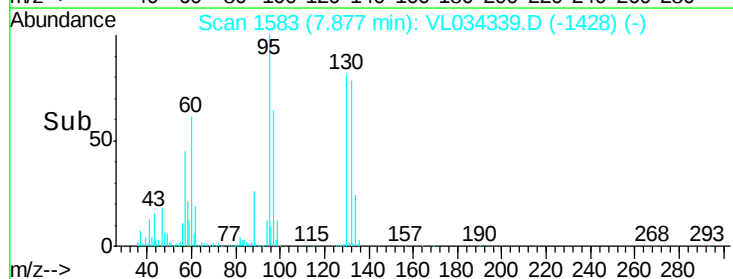
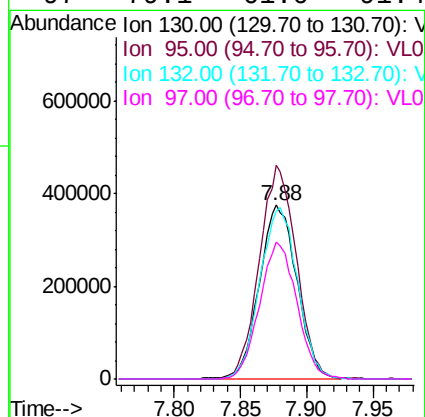
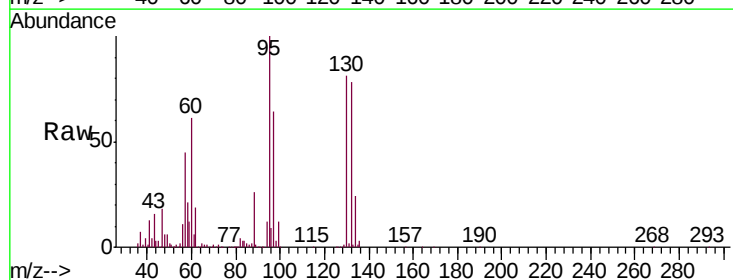
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017SABS01

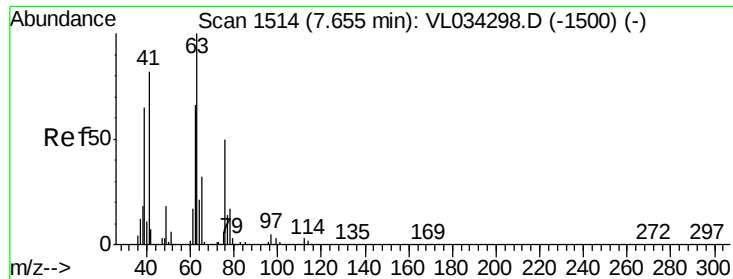
Tgt Ion: 62 Resp: 1283603
 Ion Ratio Lower Upper
 62 100
 98 5.4 3.8 5.6



#38
 Trichloroethene
 Concen: 10.354 ppbv
 RT: 7.88 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VL034339.D
 Acq: 18 Oct 2019 11:26

Tgt Ion: 130 Resp: 736924
 Ion Ratio Lower Upper
 130 100
 95 122.9 88.6 132.8
 132 96.5 71.2 106.8
 97 79.1 61.0 91.4





#39

1,2-Dichloropropane

Concen: 10.600 ppbv

RT: 7.65 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VL034339.D

Acq: 18 Oct 2019 11:26

Instrument :

MSVOA_L

ClientSampleId :

VL1017SABS01

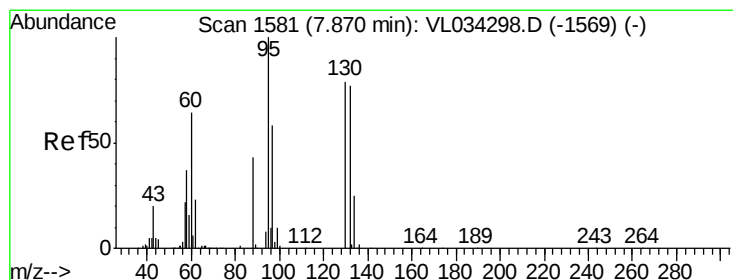
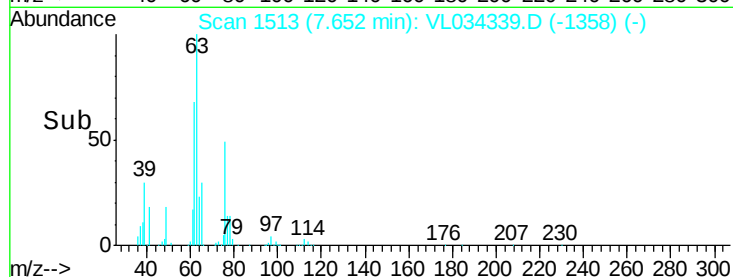
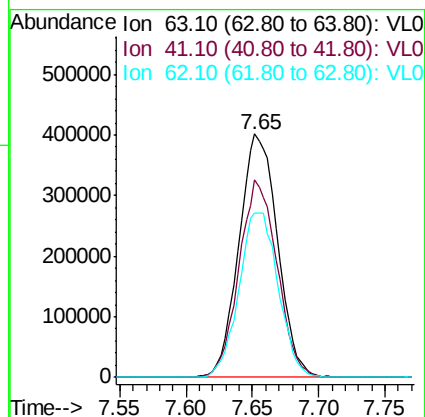
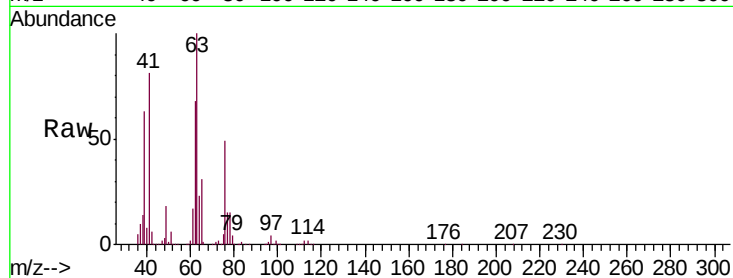
Tgt Ion: 63 Resp: 809548

Ion Ratio Lower Upper

63 100

41 81.0 65.6 98.4

62 67.7 53.0 79.6



#40

1,4-Dioxane

Concen: 11.420 ppbv

RT: 7.87 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VL034339.D

Acq: 18 Oct 2019 11:26

Tgt Ion: 88 Resp: 306511

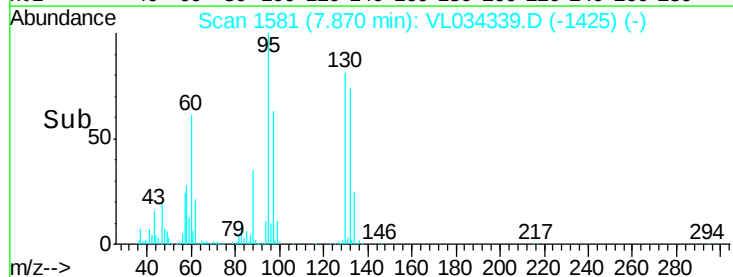
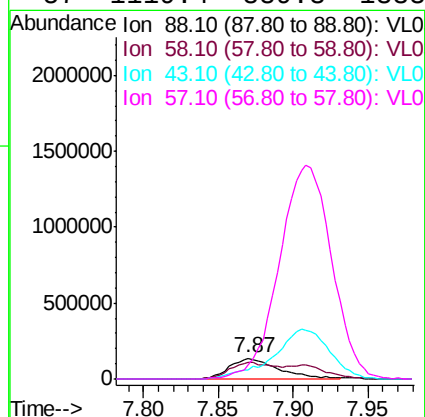
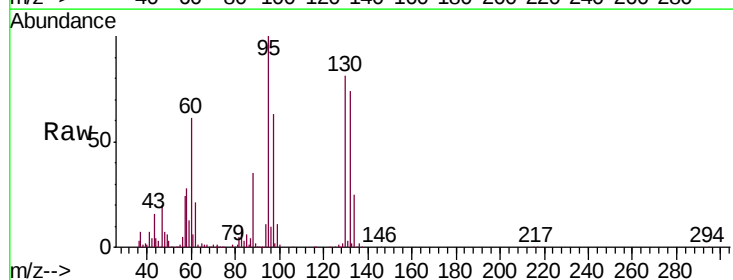
Ion Ratio Lower Upper

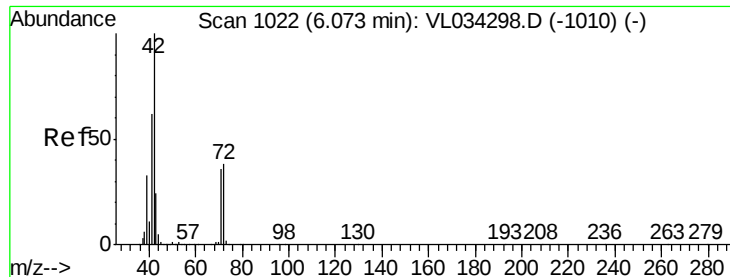
88 100

58 132.1 110.3 165.5

43 275.9 228.1 342.1

57 1119.4 889.3 1333.9

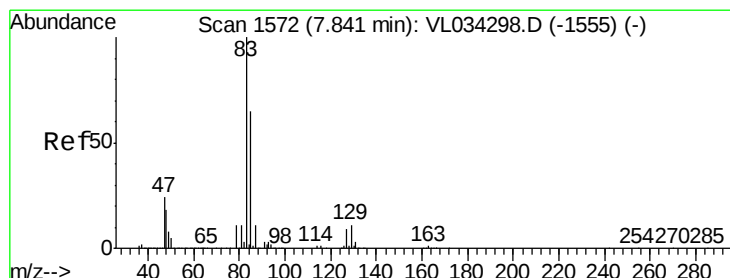
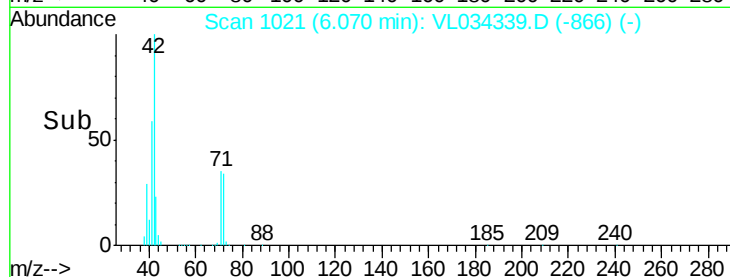
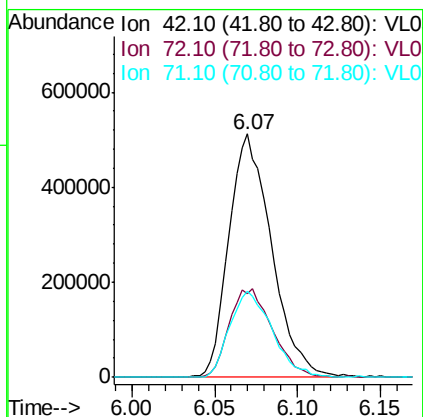
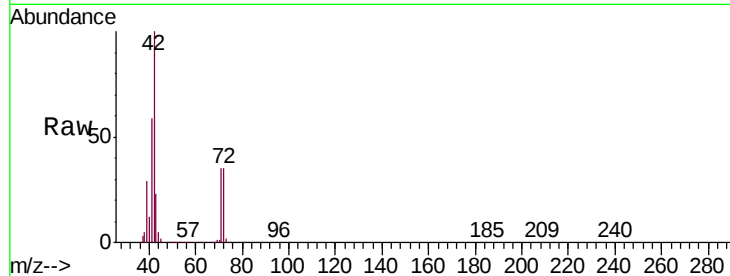




#41
Tetrahydrofuran
Concen: 10.900 ppbv
RT: 6.07 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VL034339.D
Acq: 18 Oct 2019 11:26

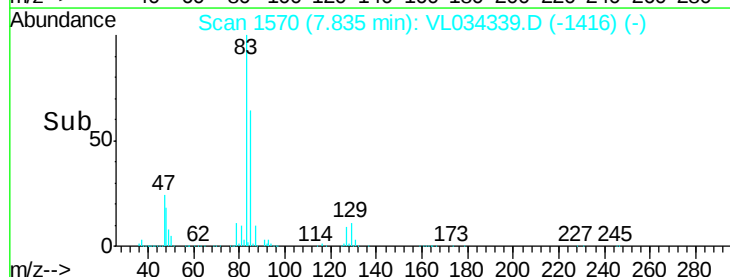
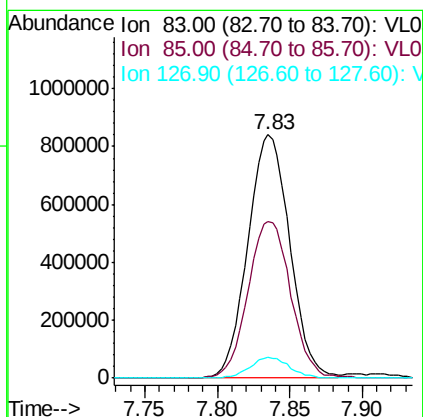
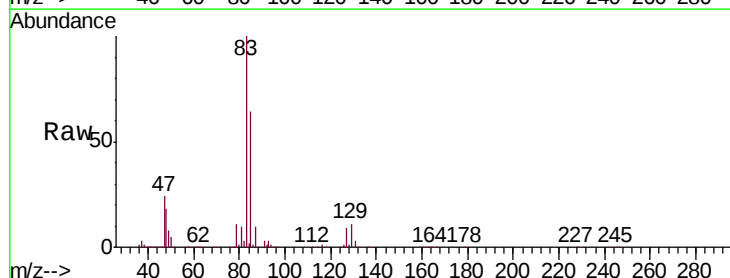
Instrument :
MSVOA_L
ClientSampleId :
VL1017SABS01

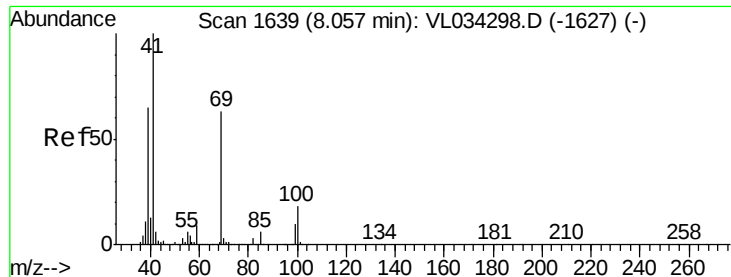
Tgt Ion: 42 Resp: 914041
Ion Ratio Lower Upper
42 100
72 37.5 28.0 42.0
71 35.7 27.3 40.9



#42
Bromodichloromethane
Concen: 10.481 ppbv
RT: 7.83 min Scan# 1570
Delta R.T. -0.01 min
Lab File: VL034339.D
Acq: 18 Oct 2019 11:26

Tgt Ion: 83 Resp: 1696854
Ion Ratio Lower Upper
83 100
85 64.1 51.8 77.6
127 8.6 7.0 10.6

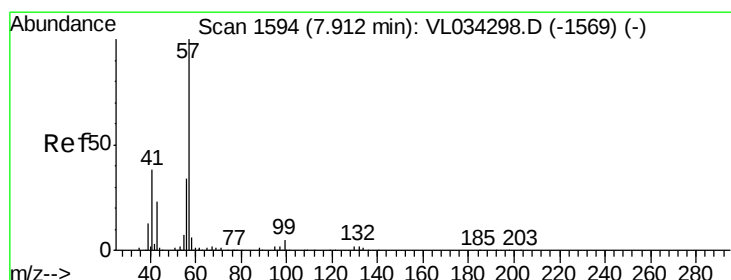
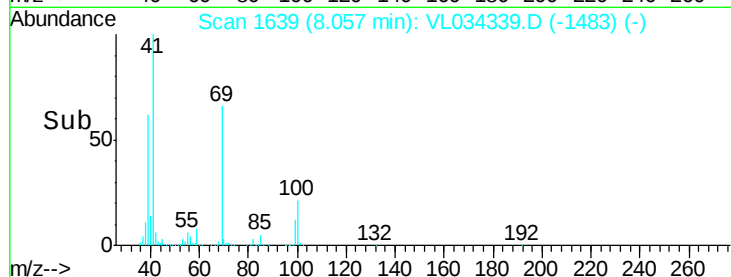
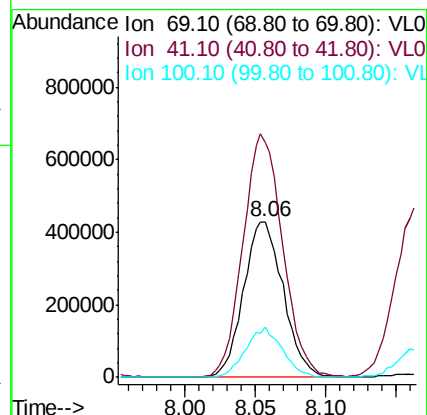
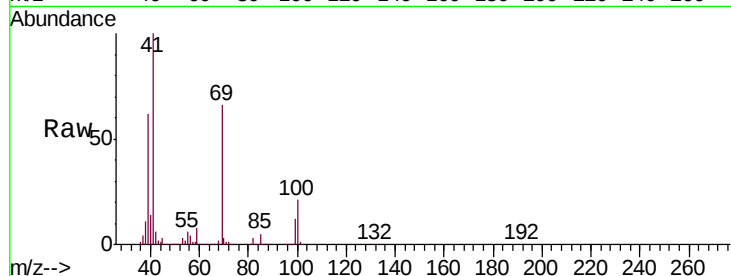




#43
Methyl Methacrylate
Concen: 11.560 ppbv
RT: 8.06 min Scan# 1639
Delta R.T. 0.00 min
Lab File: VL034339.D
Acq: 18 Oct 2019 11:26

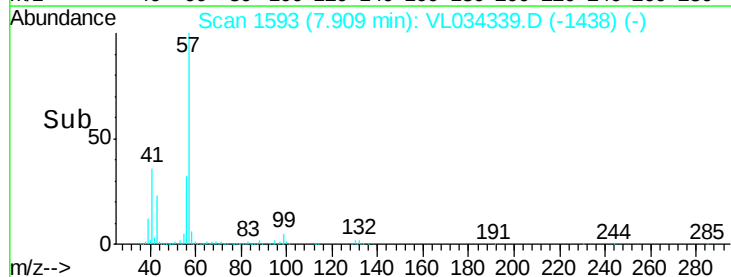
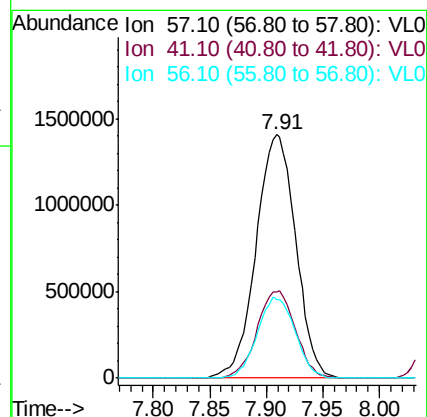
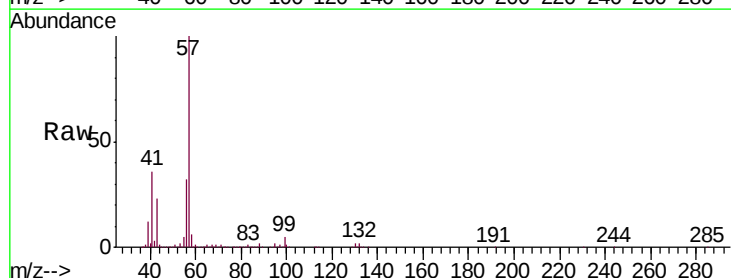
Instrument :
MSVOA_L
ClientSampleId :
VL1017SABS01

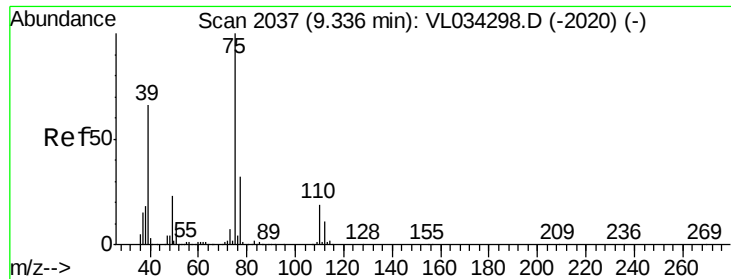
Tgt Ion: 69 Resp: 847991
Ion Ratio Lower Upper
69 100
41 156.7 132.1 198.1
100 29.7 23.2 34.8



#44
2,2,4-Trimethylpentane
Concen: 10.424 ppbv
RT: 7.91 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VL034339.D
Acq: 18 Oct 2019 11:26

Tgt Ion: 57 Resp: 3422049
Ion Ratio Lower Upper
57 100
41 34.9 29.3 43.9
56 31.6 25.3 37.9

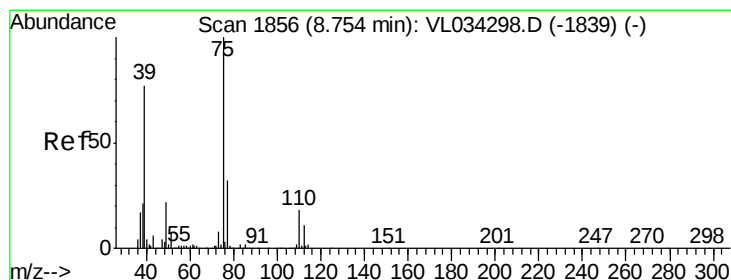
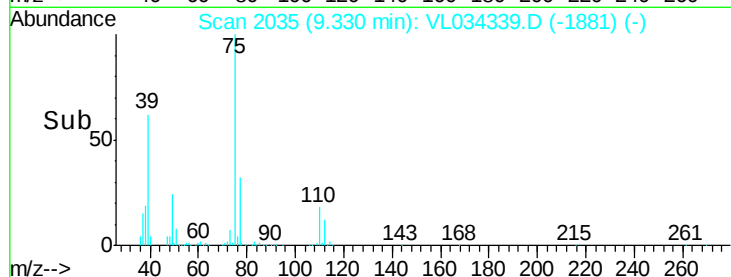
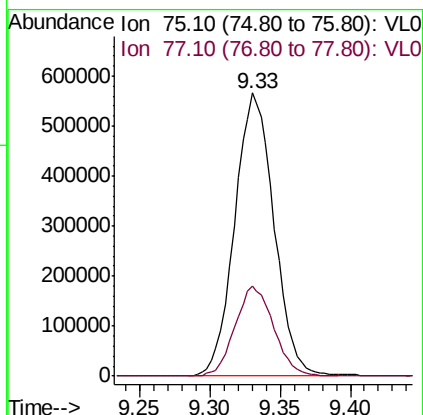
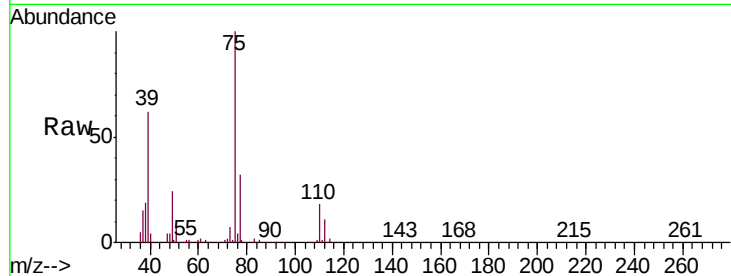




#45
 t-1,3-Dichloropropene
 Concen: 12.320 ppbv
 RT: 9.33 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VL034339.D
 Acq: 18 Oct 2019 11:26

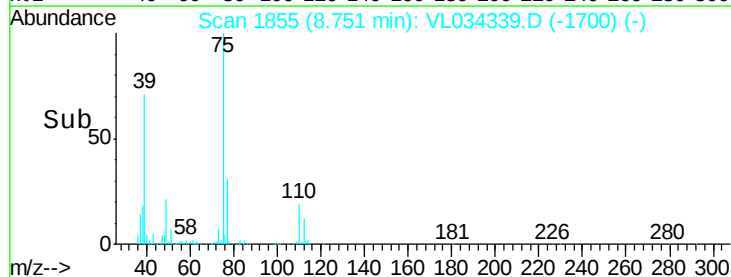
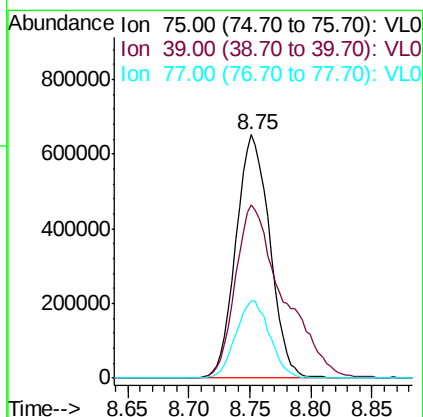
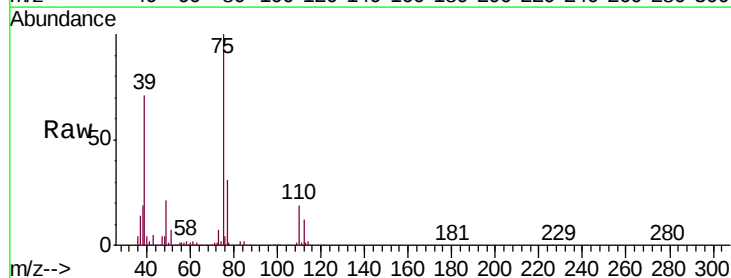
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017SABS01

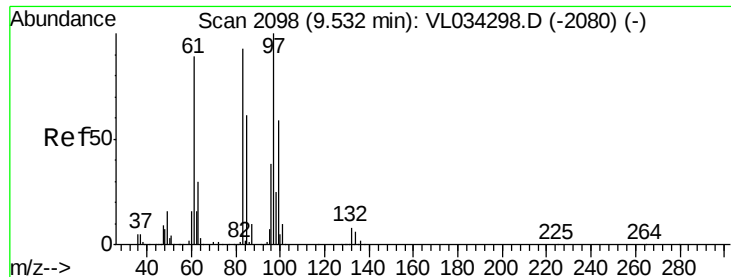
Tgt Ion: 75 Resp: 1101091
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.6 38.4



#46
 cis-1,3-Dichloropropene
 Concen: 12.174 ppbv
 RT: 8.75 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VL034339.D
 Acq: 18 Oct 2019 11:26

Tgt Ion: 75 Resp: 1250022
 Ion Ratio Lower Upper
 75 100
 39 71.0 61.2 91.8
 77 31.5 25.9 38.9





#47

1,1,2-Trichloroethane

Concen: 10.537 ppbv

RT: 9.53 min Scan# 2098

Delta R.T. 0.00 min

Lab File: VL034339.D

Acq: 18 Oct 2019 11:26

Instrument :

MSVOA_L

ClientSampleId :

VL1017SABS01

Tgt Ion: 97 Resp: 815129

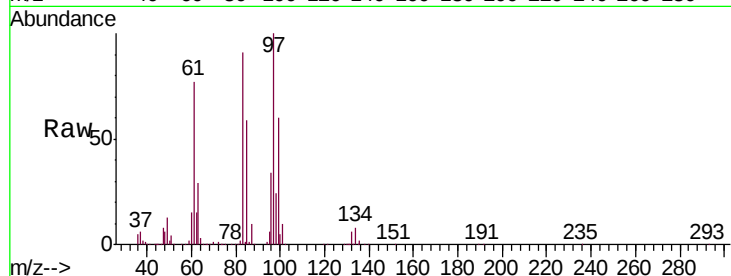
Ion Ratio Lower Upper

97 100

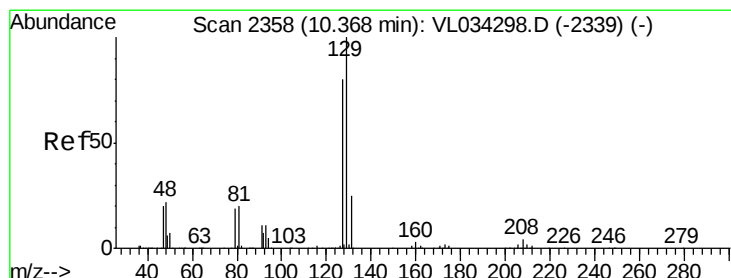
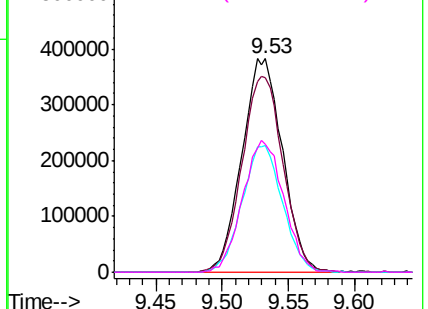
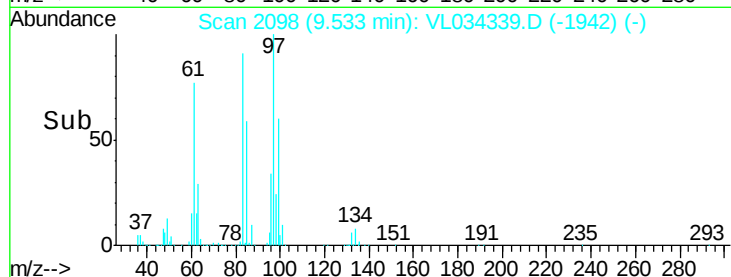
83 91.1 74.2 111.2

85 59.1 48.6 73.0

99 59.5 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: 11.167 ppbv

RT: 10.36 min Scan# 2356

Delta R.T. -0.01 min

Lab File: VL034339.D

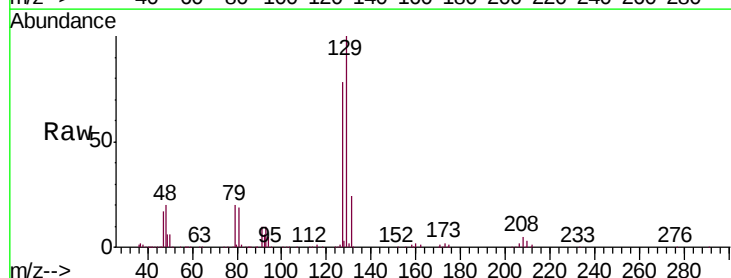
Acq: 18 Oct 2019 11:26

Tgt Ion: 129 Resp: 1417097

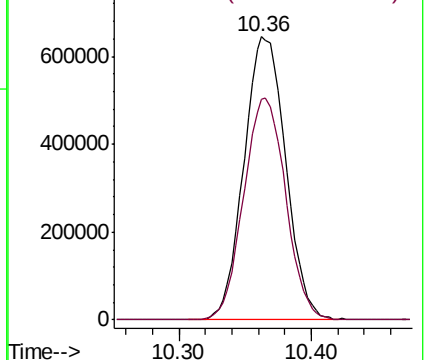
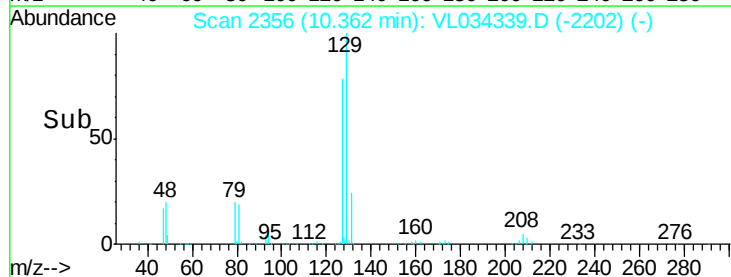
Ion Ratio Lower Upper

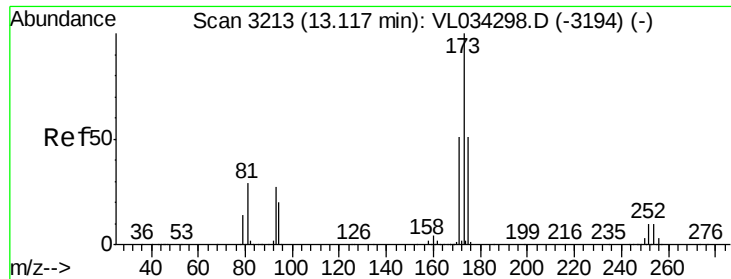
129 100

127 78.9 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: 11.613 ppbv

RT: 13.11 min Scan# 3211

Delta R.T. -0.01 min

Lab File: VL034339.D

Acq: 18 Oct 2019 11:26

Instrument :

MSVOA_L

ClientSampleId :

VL1017SABS01

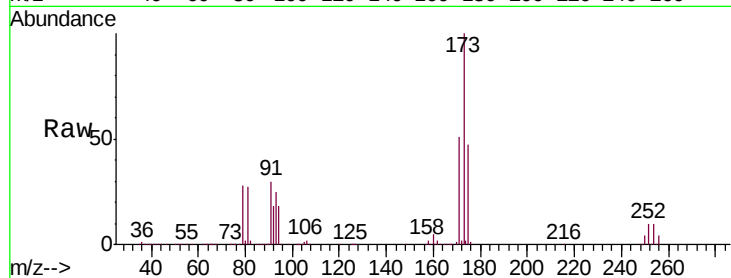
Tgt Ion:173 Resp: 1305841

Ion Ratio Lower Upper

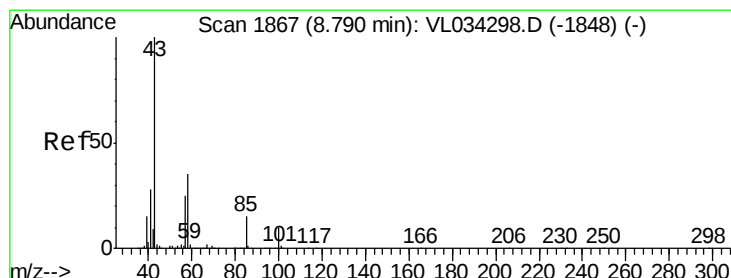
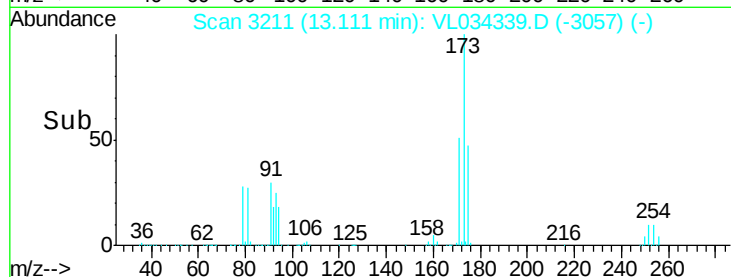
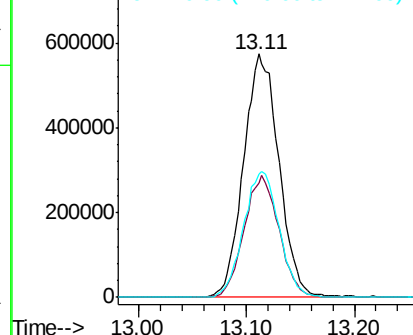
173 100

175 49.6 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: 10.692 ppbv

RT: 8.79 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VL034339.D

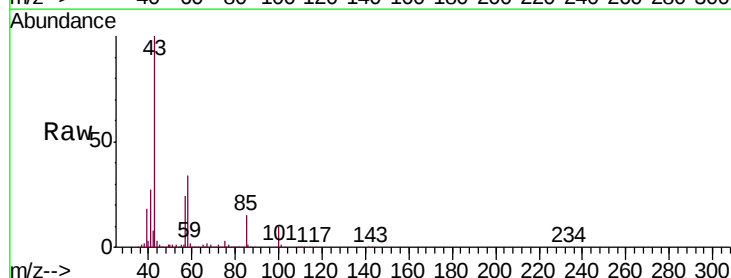
Acq: 18 Oct 2019 11:26

Tgt Ion: 43 Resp: 2312834

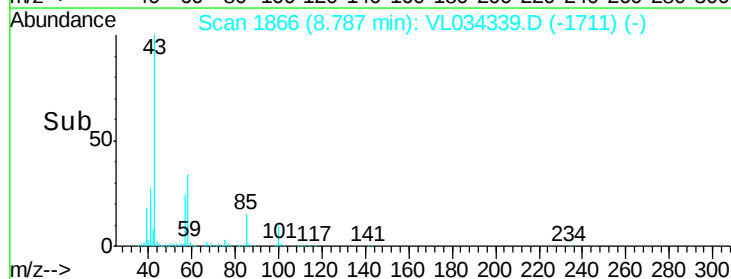
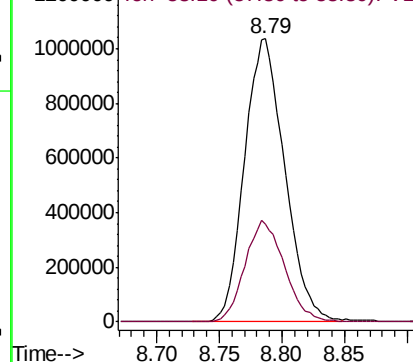
Ion Ratio Lower Upper

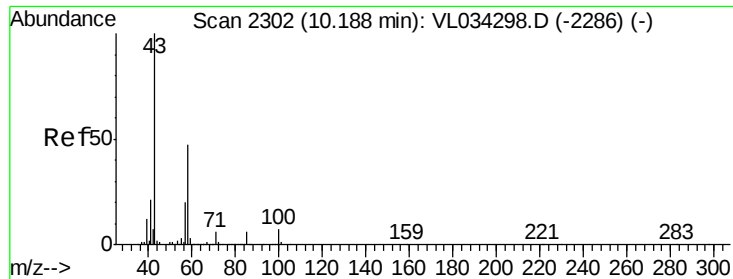
43 100

58 35.2 27.6 41.4



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0

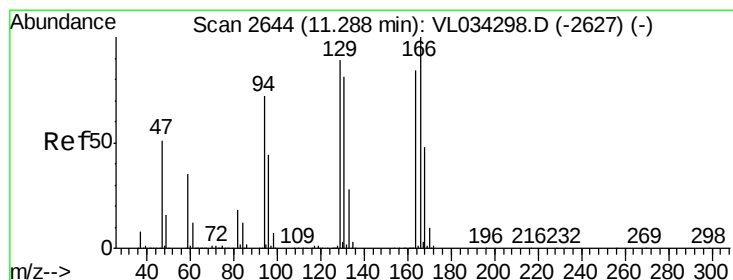
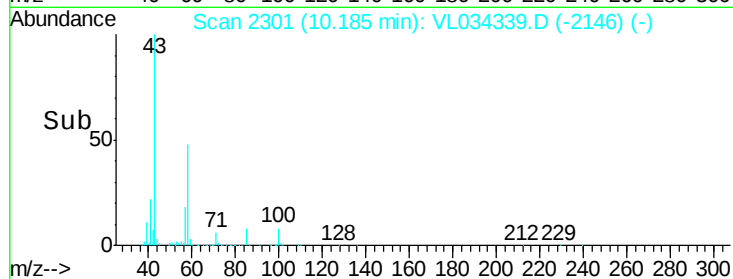
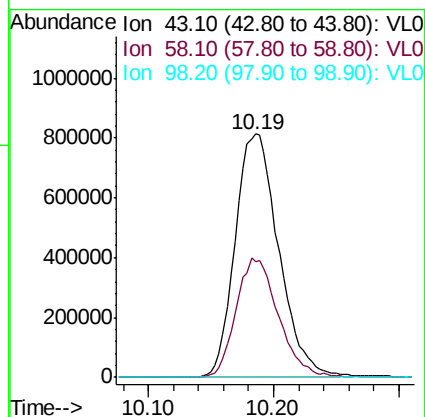
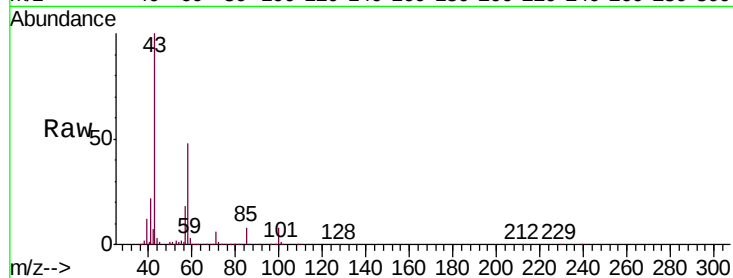




#51
2-Hexanone
Concen: 11.021 ppbv
RT: 10.19 min Scan# 2301
Delta R.T. -0.00 min
Lab File: VL034339.D
Acq: 18 Oct 2019 11:26

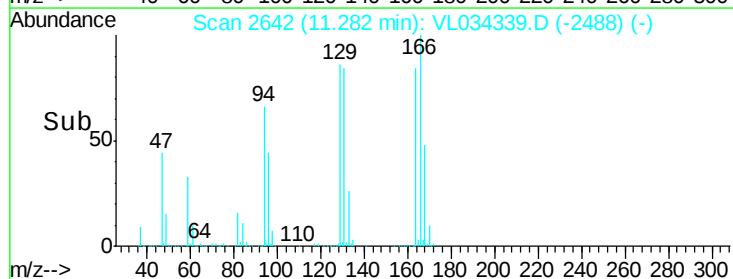
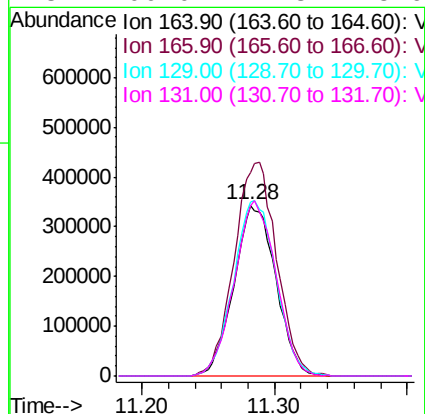
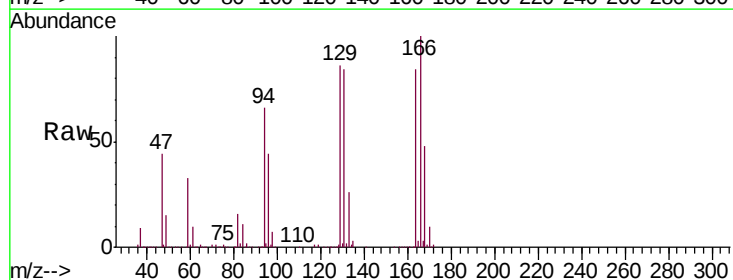
Instrument :
MSVOA_L
ClientSampleId :
VL1017SABS01

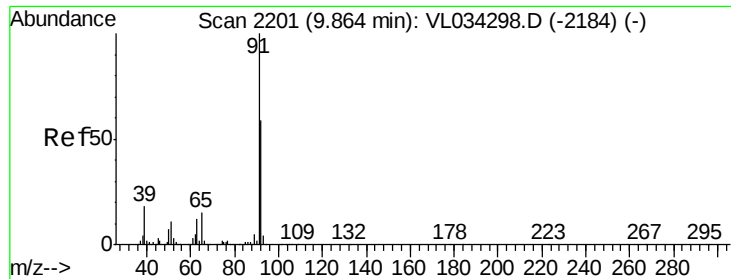
Tgt Ion: 43 Resp: 1954268
Ion Ratio Lower Upper
43 100
58 47.8 37.0 55.6
98 0.2 0.2 0.2



#52
Tetrachloroethene
Concen: 10.733 ppbv
RT: 11.28 min Scan# 2642
Delta R.T. -0.01 min
Lab File: VL034339.D
Acq: 18 Oct 2019 11:26

Tgt Ion: 164 Resp: 746168
Ion Ratio Lower Upper
164 100
166 118.9 95.3 142.9
129 102.0 84.5 126.7
131 100.0 77.3 115.9





#53

Toluene

Concen: 11.614 ppbv

RT: 9.86 min Scan# 2200

Delta R.T. -0.00 min

Lab File: VL034339.D

Acq: 18 Oct 2019 11:26

Instrument :

MSVOA_L

ClientSampleId :

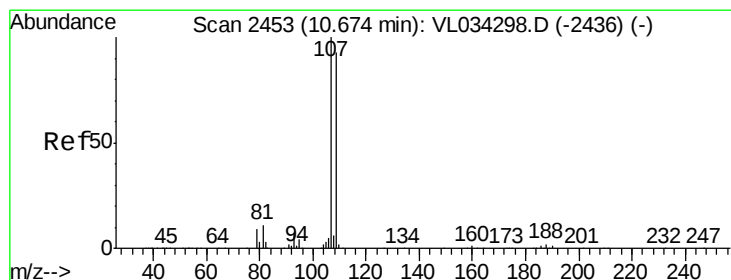
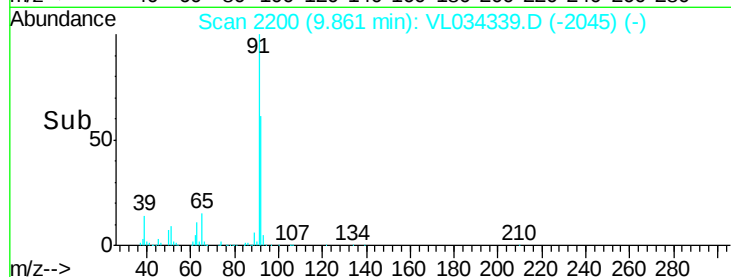
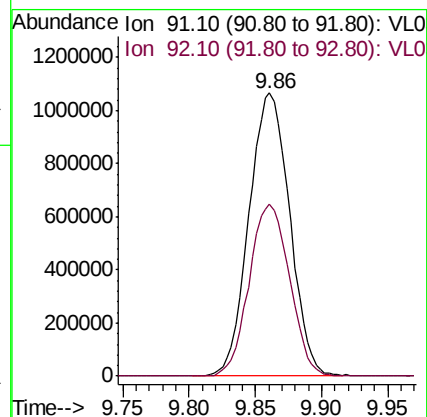
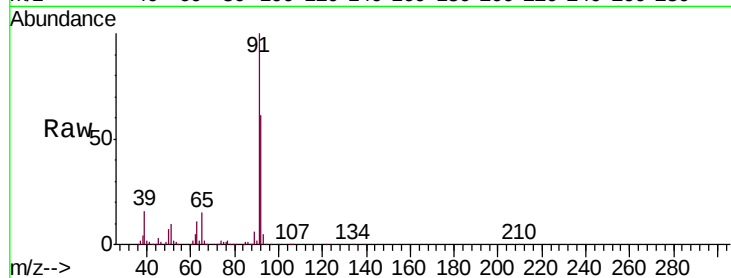
VL1017SABS01

Tgt Ion: 91 Resp: 2273216

Ion Ratio Lower Upper

91 100

92 60.5 48.4 72.6



#54

1,2-Dibromoethane

Concen: 10.773 ppbv

RT: 10.67 min Scan# 2453

Delta R.T. 0.00 min

Lab File: VL034339.D

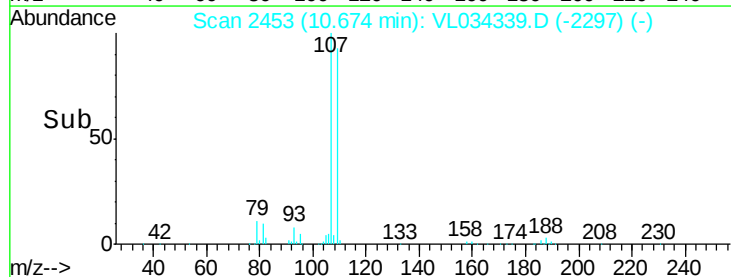
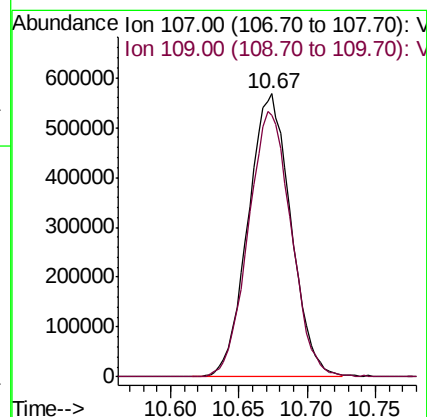
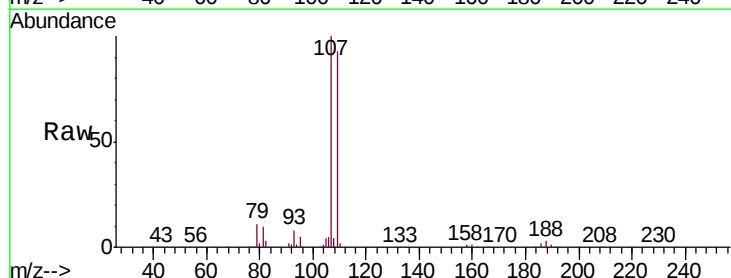
Acq: 18 Oct 2019 11:26

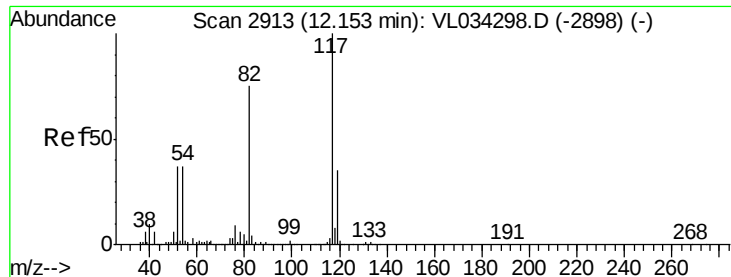
Tgt Ion: 107 Resp: 1235209

Ion Ratio Lower Upper

107 100

109 92.5 74.6 112.0

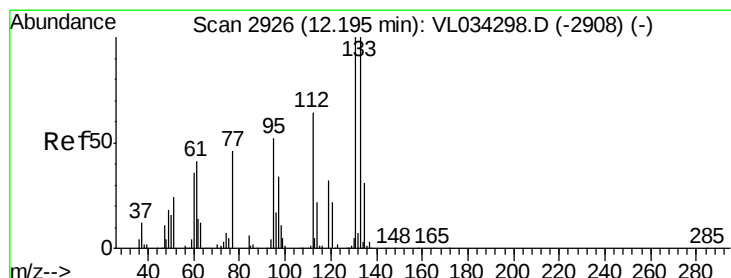
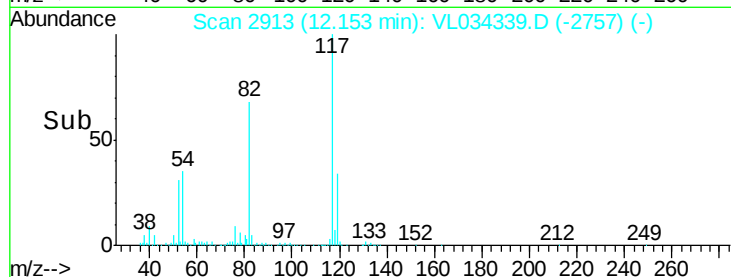
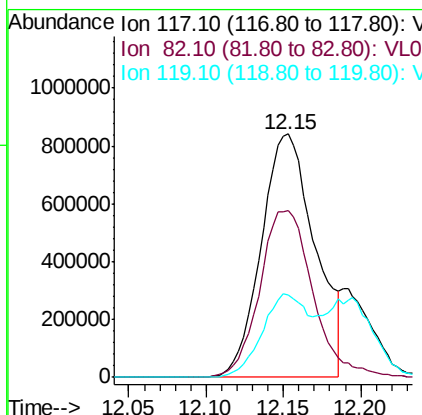
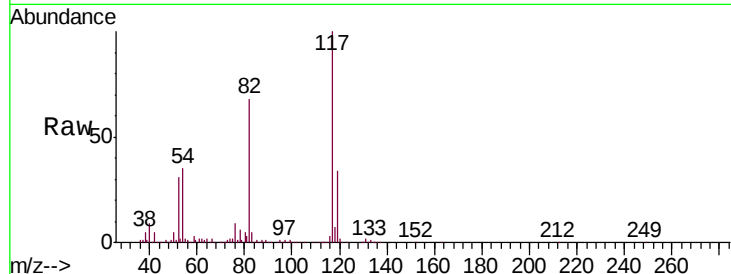




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. 0.00 min
Lab File: VL034339.D
Acq: 18 Oct 2019 11:26

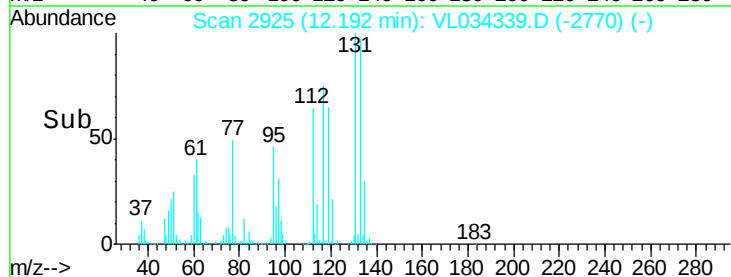
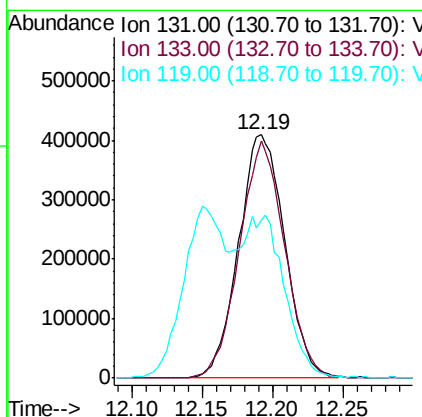
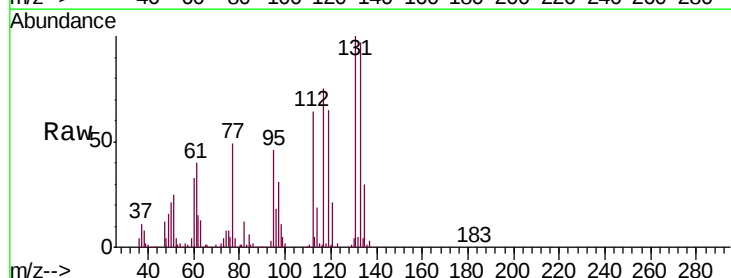
Instrument :
MSVOA_L
ClientSampleId :
VL1017SABS01

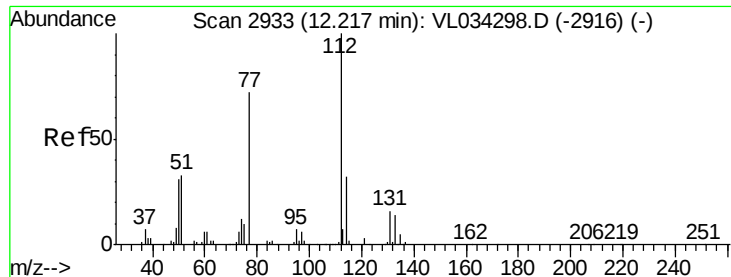
Tgt Ion:117 Resp: 2037881
Ion Ratio Lower Upper
117 100
82 68.4 55.5 83.3
119 29.1 26.5 39.7



#56
1,1,1,2-Tetrachloroethane
Concen: 9.987 ppbv
RT: 12.19 min Scan# 2925
Delta R.T. -0.00 min
Lab File: VL034339.D
Acq: 18 Oct 2019 11:26

Tgt Ion:131 Resp: 937937
Ion Ratio Lower Upper
131 100
133 95.9 77.1 115.7
119 70.4 49.0 73.4





#57

Chlorobenzene

Concen: 9.920 ppbv

RT: 12.21 min Scan# 2932

Delta R.T. -0.00 min

Lab File: VL034339.D

Acq: 18 Oct 2019 11:26

Instrument :

MSVOA_L

ClientSampleId :

VL1017SABS01

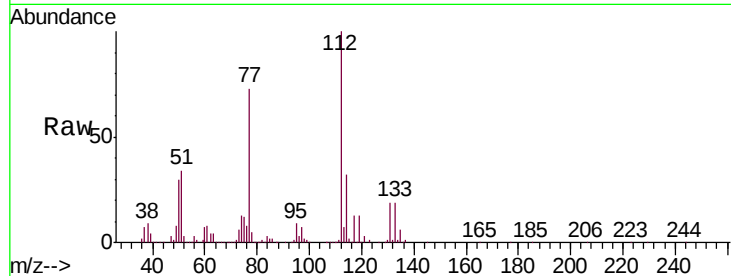
Tgt Ion: 112 Resp: 1686563

Ion Ratio Lower Upper

112 100

77 72.1 58.6 88.0

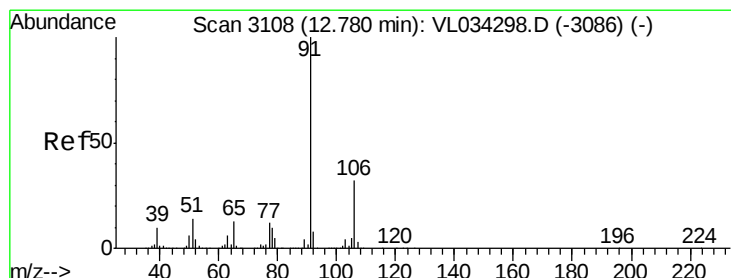
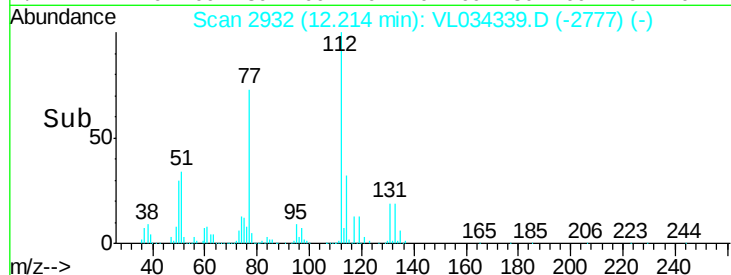
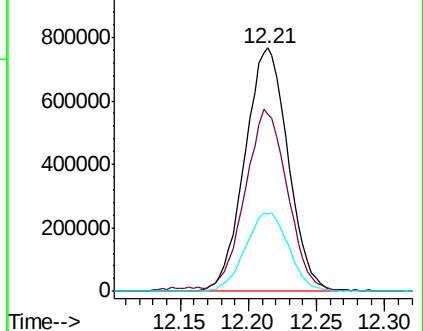
114 31.4 28.6 35.0



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: 10.866 ppbv

RT: 12.78 min Scan# 3107

Delta R.T. -0.00 min

Lab File: VL034339.D

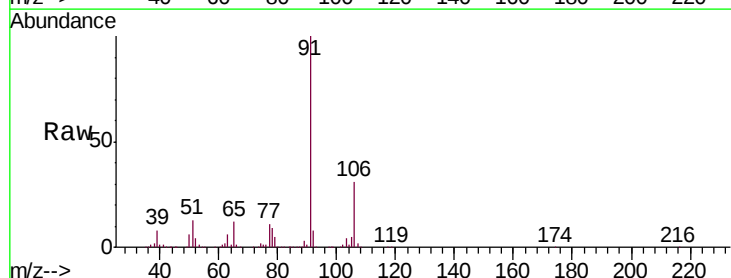
Acq: 18 Oct 2019 11:26

Tgt Ion: 91 Resp: 3095313

Ion Ratio Lower Upper

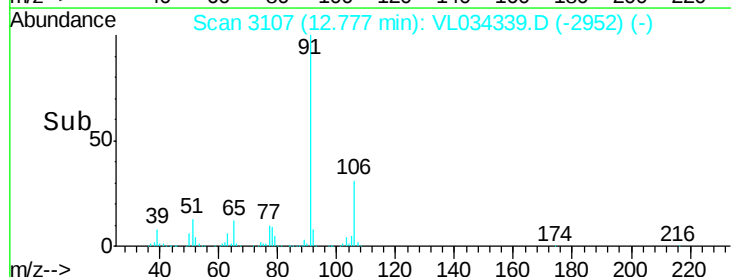
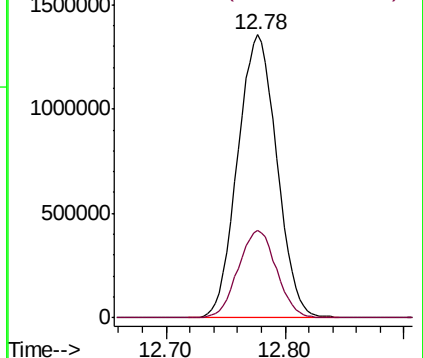
91 100

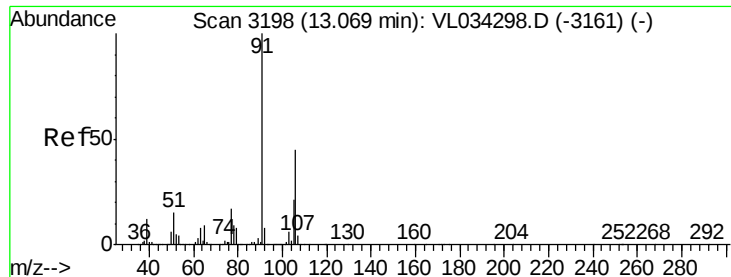
106 30.7 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 9.874 ppbv

RT: 13.06 min Scan# 3195

Delta R.T. -0.01 min

Lab File: VL034339.D

Acq: 18 Oct 2019 11:26

Instrument :

MSVOA_L

ClientSampleId :

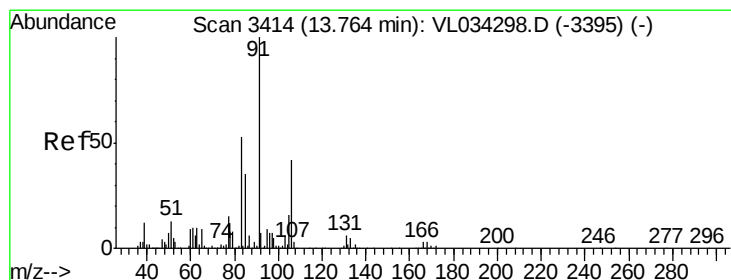
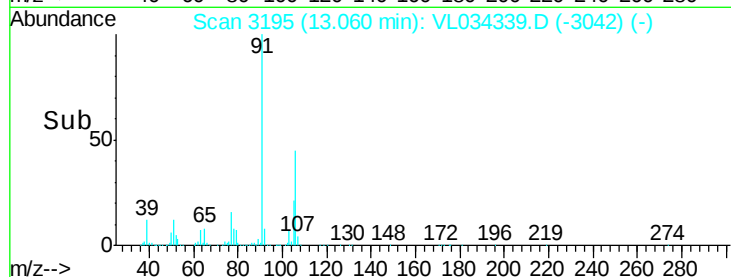
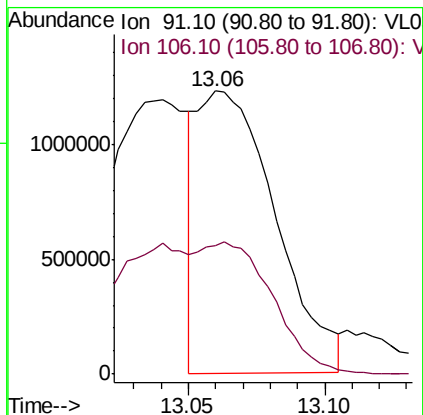
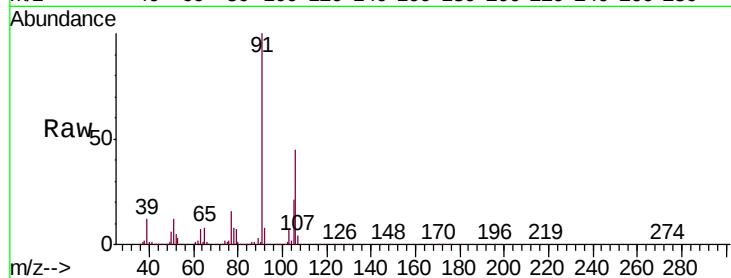
VL1017SABS01

Tgt Ion: 91 Resp: 2437001

Ion Ratio Lower Upper

91 100

106 92.8 35.4 53.2#



#60

o-Xylene

Concen: 10.276 ppbv

RT: 13.76 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VL034339.D

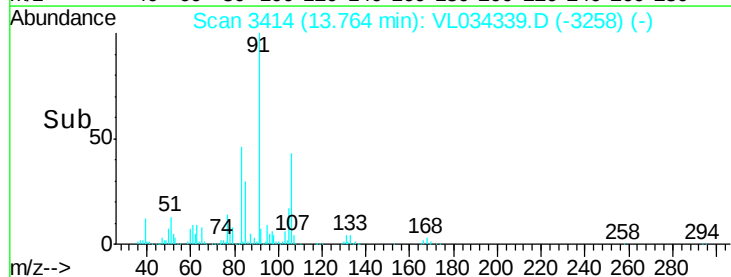
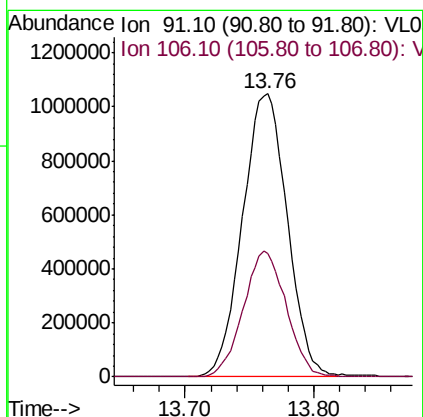
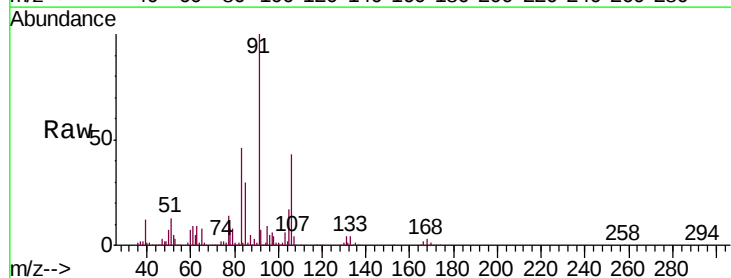
Acq: 18 Oct 2019 11:26

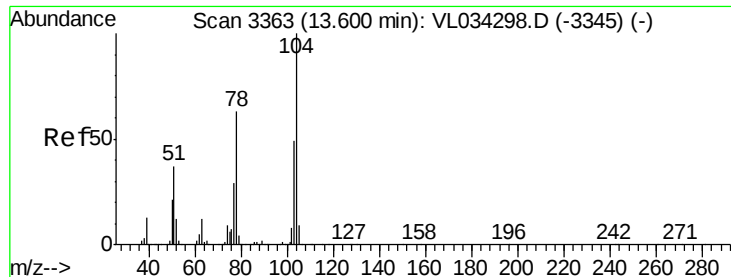
Tgt Ion: 91 Resp: 2525708

Ion Ratio Lower Upper

91 100

106 42.9 21.6 64.6





#61

Styrene

Concen: 11.092 ppbv

RT: 13.60 min Scan# 3362

Delta R.T. -0.00 min

Lab File: VL034339.D

Acq: 18 Oct 2019 11:26

Instrument :

MSVOA_L

ClientSampleId :

VL1017SABS01

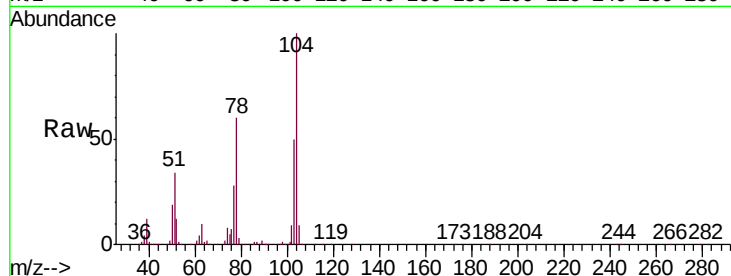
Tgt Ion:104 Resp: 1919225

Ion Ratio Lower Upper

104 100

78 58.4 47.8 71.8

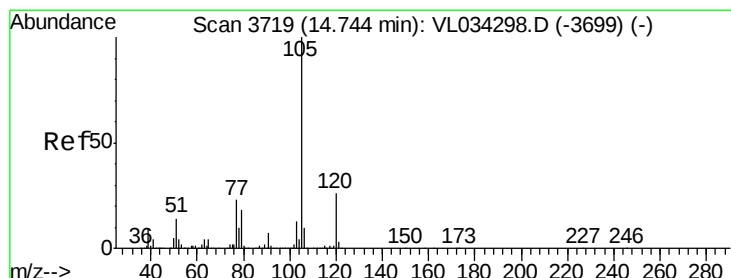
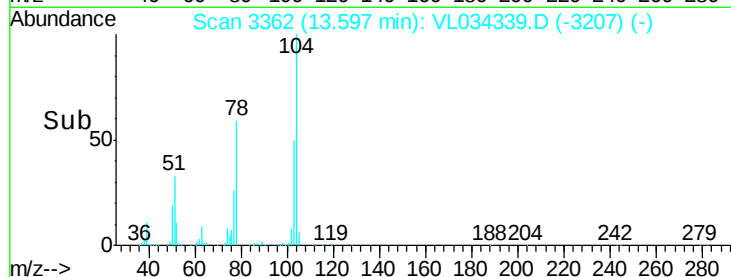
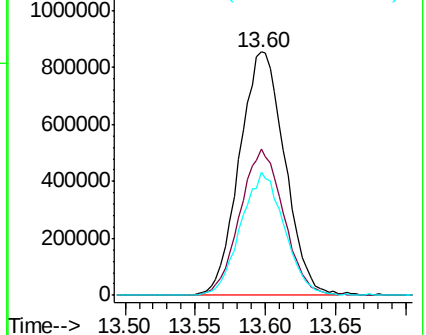
103 48.9 39.0 58.6



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: 10.231 ppbv

RT: 14.74 min Scan# 3717

Delta R.T. -0.01 min

Lab File: VL034339.D

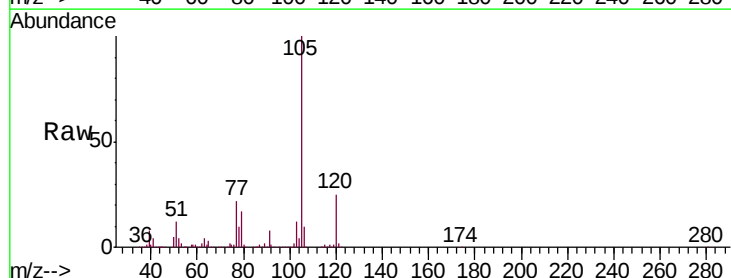
Acq: 18 Oct 2019 11:26

Tgt Ion:105 Resp: 3319456

Ion Ratio Lower Upper

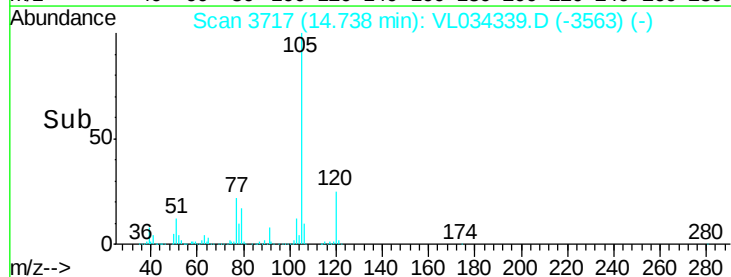
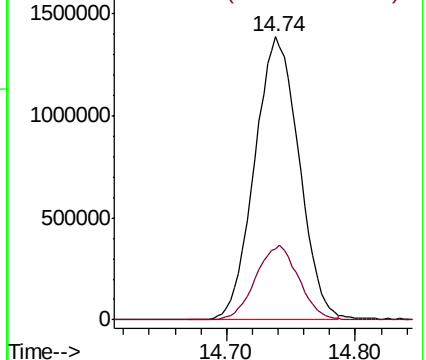
105 100

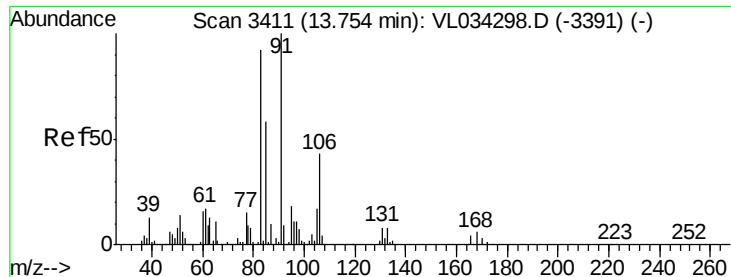
120 25.6 20.8 31.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

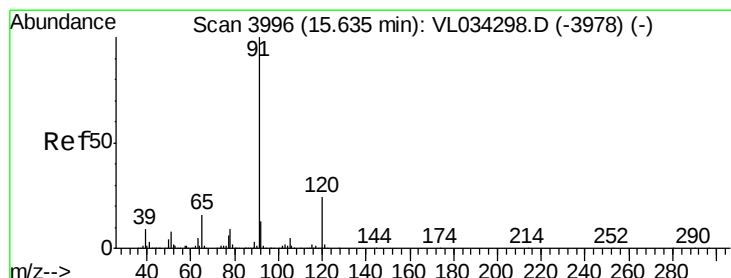
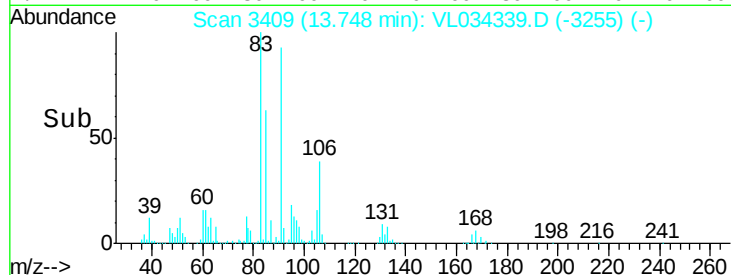
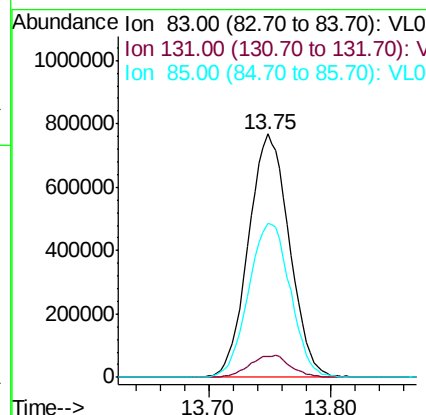
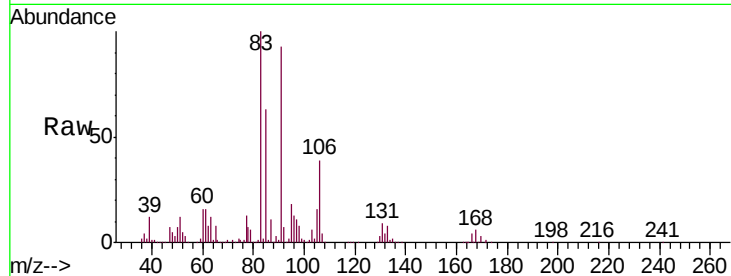




#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.008 ppbv
 RT: 13.75 min Scan# 3409
 Delta R.T. -0.01 min
 Lab File: VL034339.D
 Acq: 18 Oct 2019 11:26

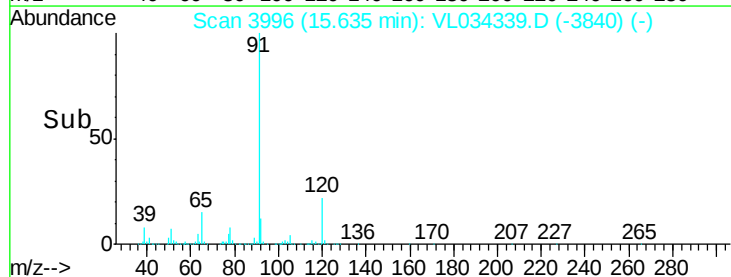
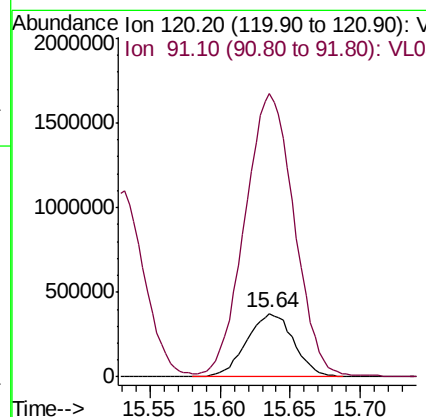
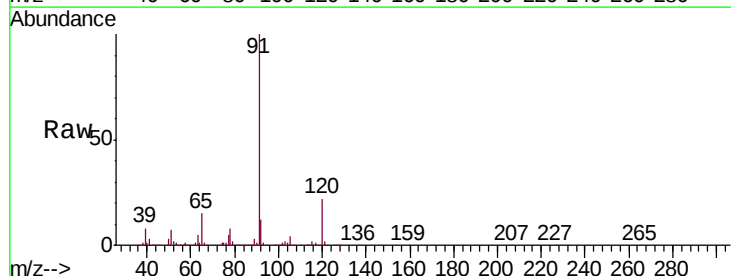
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017SABS01

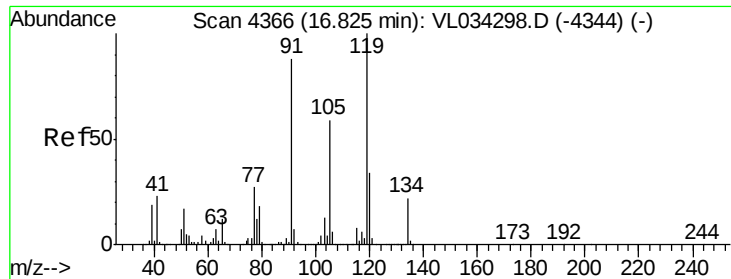
Tgt Ion: 83 Resp: 1779177
 Ion Ratio Lower Upper
 83 100
 131 9.1 4.8 14.4
 85 65.0 32.5 97.4



#64
 n-propylbenzene
 Concen: 10.525 ppbv
 RT: 15.64 min Scan# 3996
 Delta R.T. 0.00 min
 Lab File: VL034339.D
 Acq: 18 Oct 2019 11:26

Tgt Ion: 120 Resp: 876351
 Ion Ratio Lower Upper
 120 100
 91 468.6 374.9 562.3

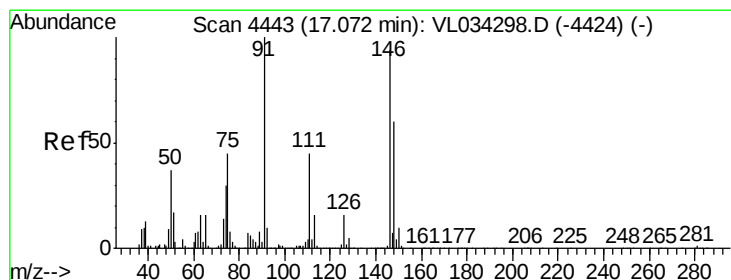
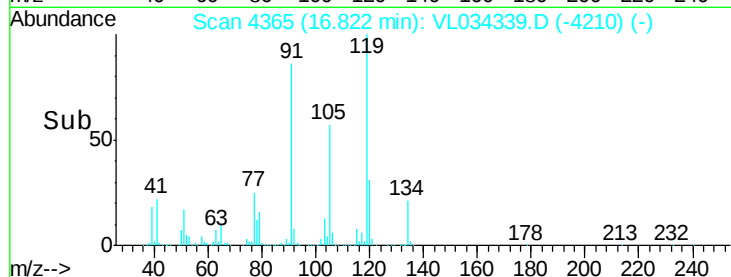
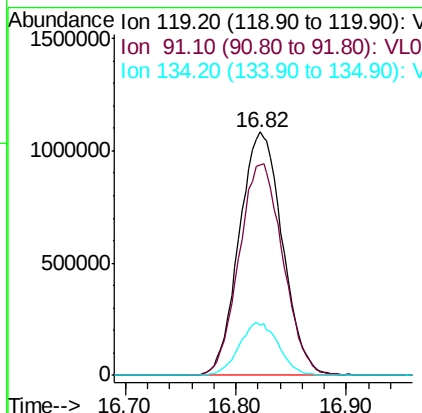
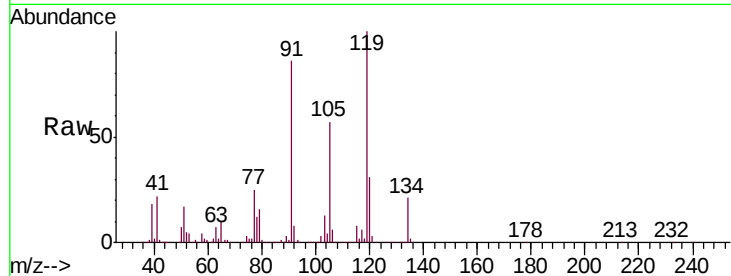




#65
 tert-Butylbenzene
 Concen: 10.217 ppbv
 RT: 16.82 min Scan# 4365
 Delta R.T. -0.00 min
 Lab File: VL034339.D
 Acq: 18 Oct 2019 11:26

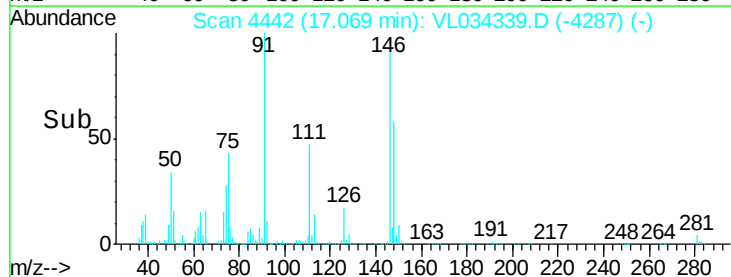
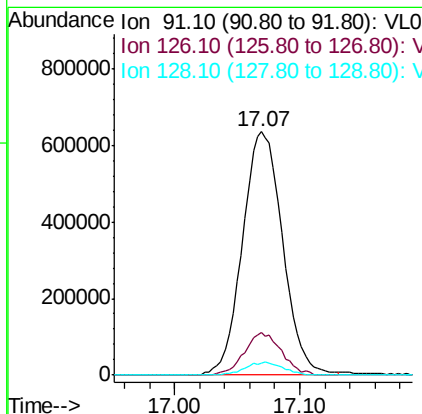
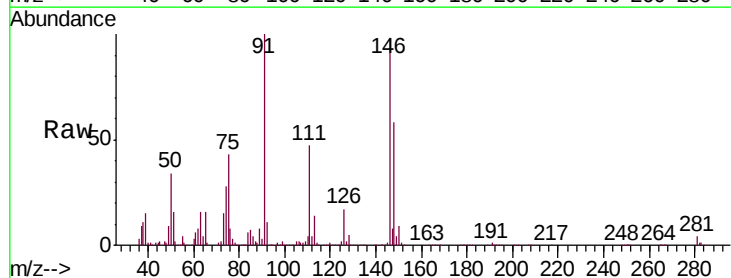
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017SABS01

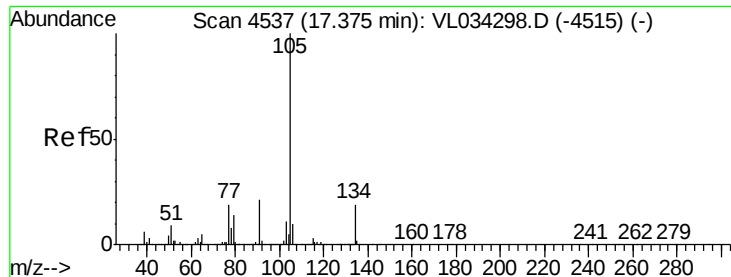
Tgt Ion:119 Resp: 2938037
 Ion Ratio Lower Upper
 119 100
 91 88.5 71.4 107.0
 134 19.8 15.9 23.9



#66
 Benzyl Chloride
 Concen: 12.469 ppbv
 RT: 17.07 min Scan# 4442
 Delta R.T. -0.00 min
 Lab File: VL034339.D
 Acq: 18 Oct 2019 11:26

Tgt Ion: 91 Resp: 1416109
 Ion Ratio Lower Upper
 91 100
 126 16.4 12.9 19.3
 128 5.2 4.3 6.5





#67

sec-Butylbenzene

Concen: 10.179 ppbv

RT: 17.37 min Scan# 4536

Delta R.T. -0.00 min

Lab File: VL034339.D

Acq: 18 Oct 2019 11:26

Instrument :

MSVOA_L

ClientSampleId :

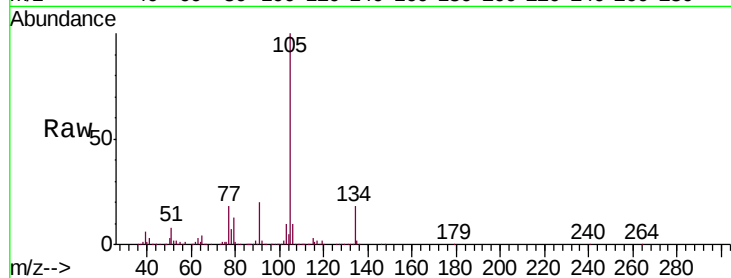
VL1017SABS01

Tgt Ion: 105 Resp: 4119309

Ion Ratio Lower Upper

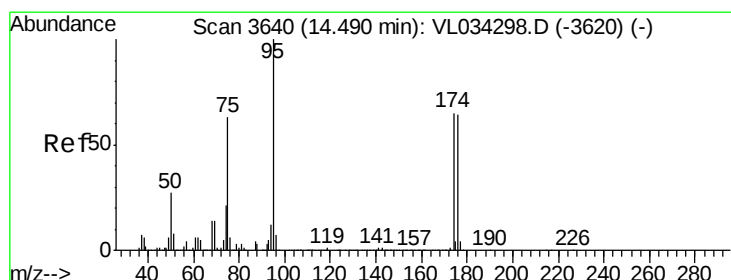
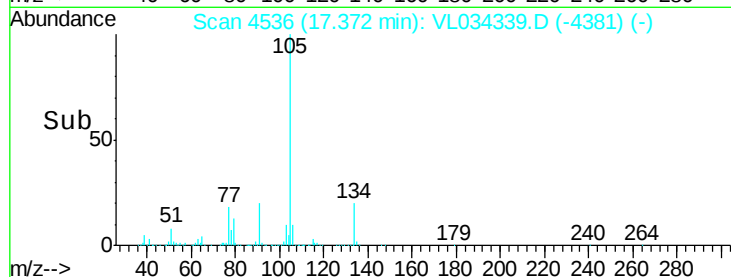
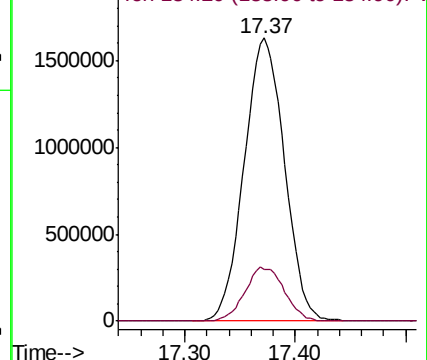
105 100

134 18.8 15.4 23.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.222 ppbv

RT: 14.49 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VL034339.D

Acq: 18 Oct 2019 11:26

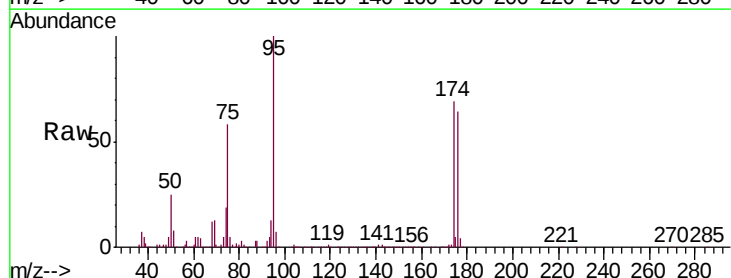
Tgt Ion: 95 Resp: 1591697

Ion Ratio Lower Upper

95 100

174 69.5 52.6 78.8

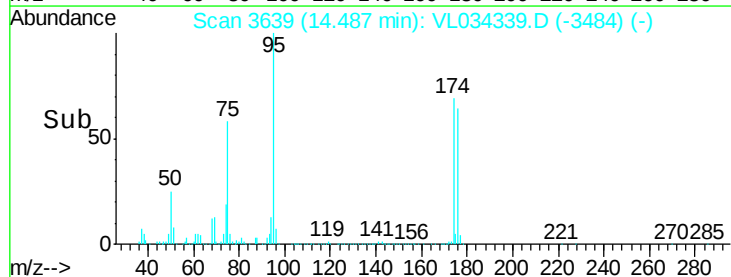
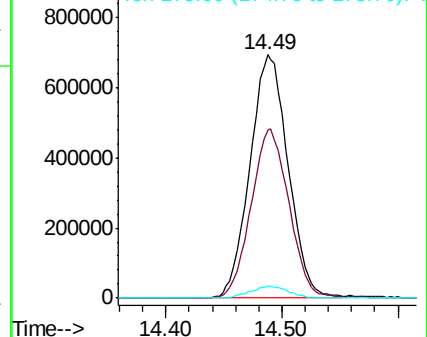
175 4.8 3.8 5.6

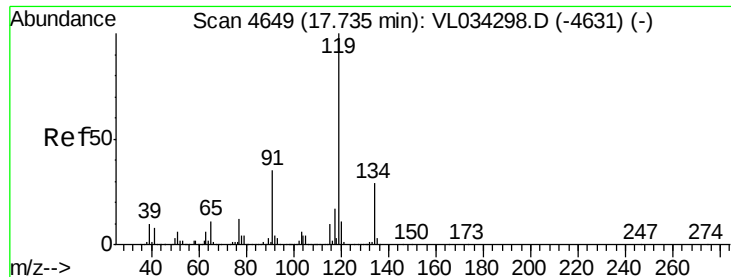


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

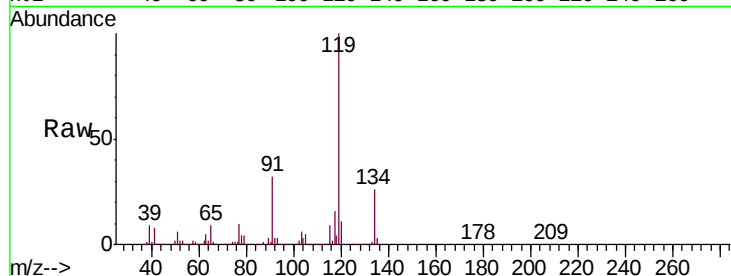




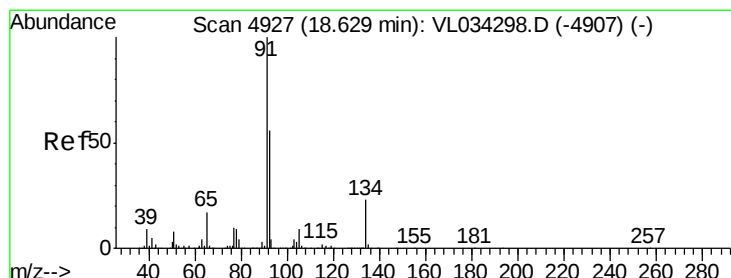
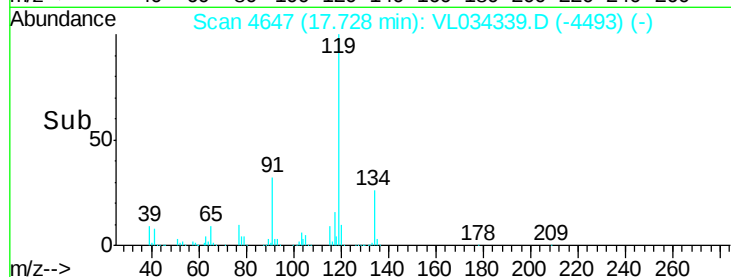
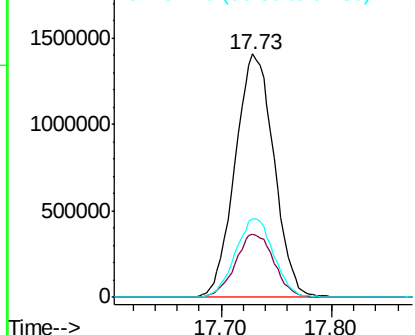
#69
p-Isopropyltoluene
Concen: 10.386 ppbv
RT: 17.73 min Scan# 4647
Delta R.T. -0.01 min
Lab File: VL034339.D
Acq: 18 Oct 2019 11:26

Instrument :
MSVOA_L
ClientSampleId :
VL1017SABS01

Tgt Ion:119 Resp: 3426377
Ion Ratio Lower Upper
119 100
134 25.9 21.3 31.9
91 32.1 26.6 39.8

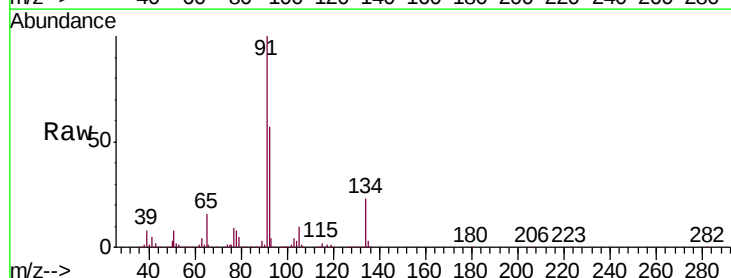


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

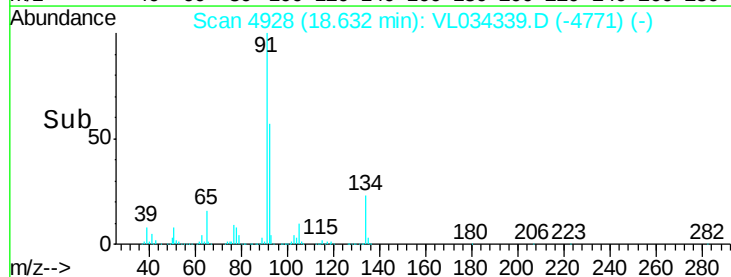
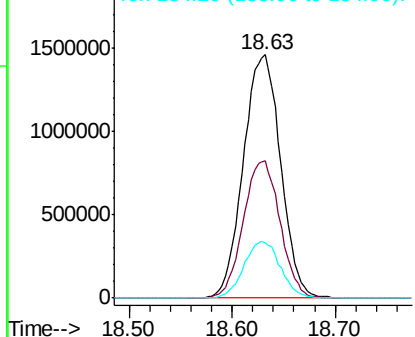


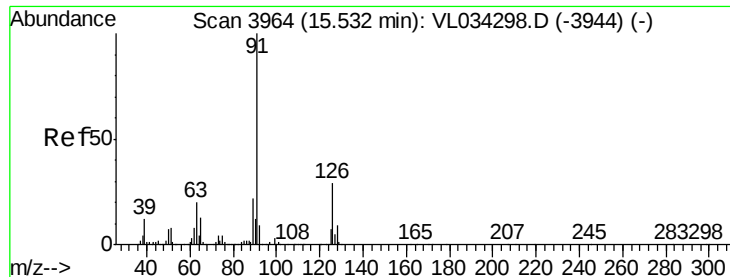
#70
n-Butylbenzene
Concen: 10.211 ppbv
RT: 18.63 min Scan# 4928
Delta R.T. 0.00 min
Lab File: VL034339.D
Acq: 18 Oct 2019 11:26

Tgt Ion: 91 Resp: 3665382
Ion Ratio Lower Upper
91 100
92 55.6 44.5 66.7
134 22.7 18.2 27.2



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





#71

2-Chlorotoluene

Concen: 10.514 ppbv

RT: 15.53 min Scan# 3964

Delta R.T. 0.00 min

Lab File: VL034339.D

Acq: 18 Oct 2019 11:26

Instrument :

MSVOA_L

ClientSampleId :

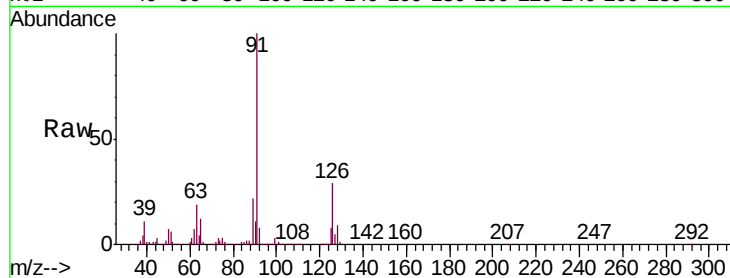
VL1017SABS01

Tgt Ion: 91 Resp: 2644907

Ion Ratio Lower Upper

91 100

126 29.4 11.9 47.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

2000000

1500000

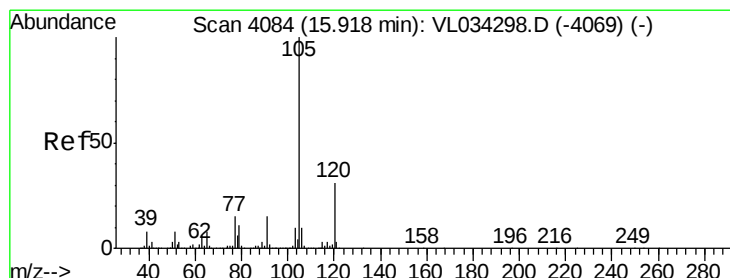
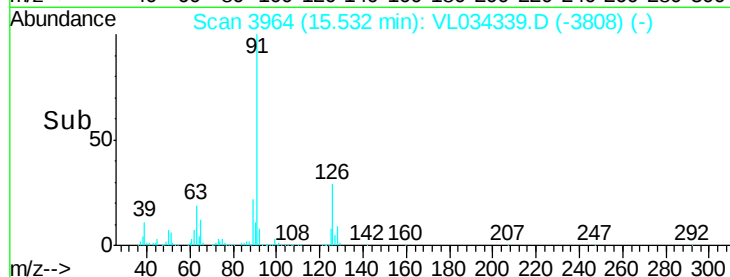
1000000

500000

0

15.50 15.60

Time-->



#72

4-Ethyltoluene

Concen: 10.693 ppbv

RT: 15.91 min Scan# 4082

Delta R.T. -0.01 min

Lab File: VL034339.D

Acq: 18 Oct 2019 11:26

Tgt Ion: 105 Resp: 2954268

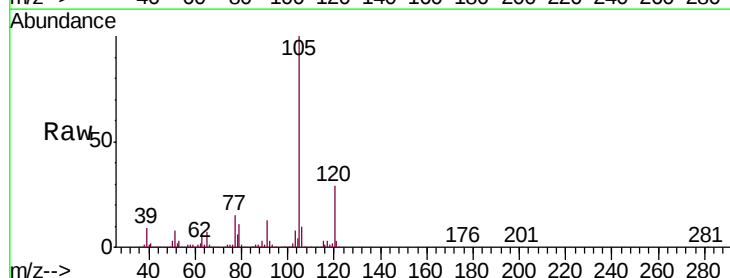
Ion Ratio Lower Upper

105 100

120 28.9 23.8 35.8

91 13.7 11.2 16.8

77 15.2 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

1500000

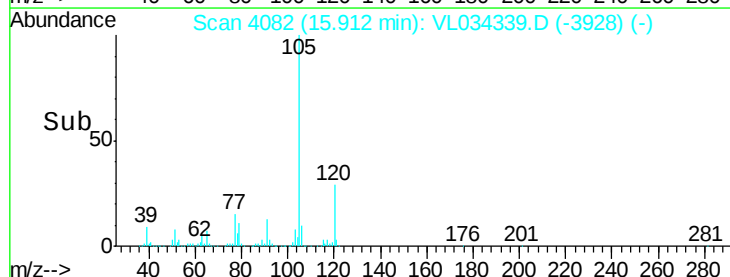
1000000

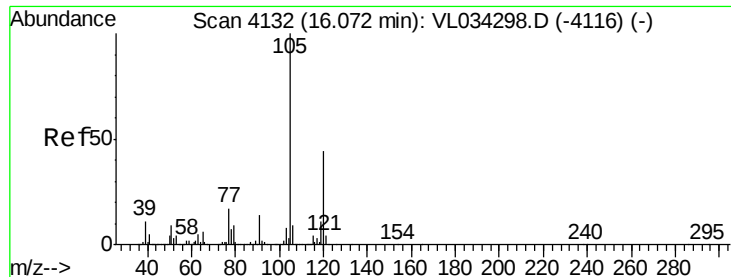
500000

0

15.90 16.00

Time-->

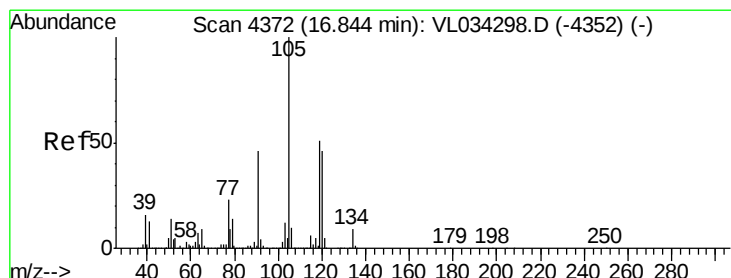
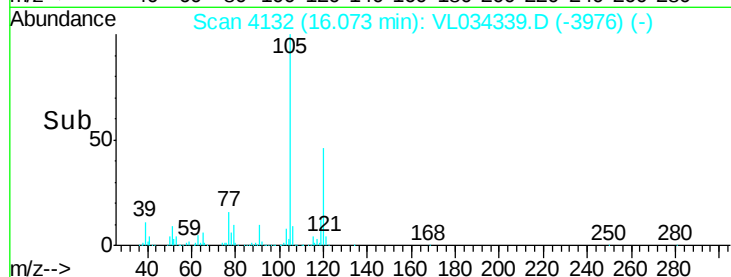
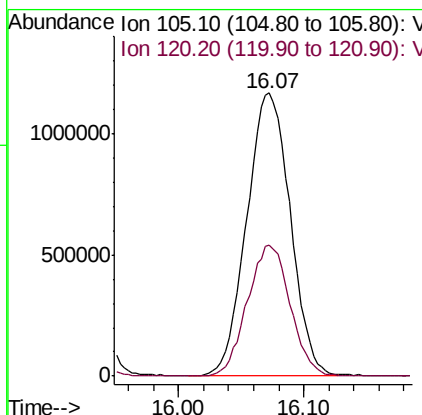
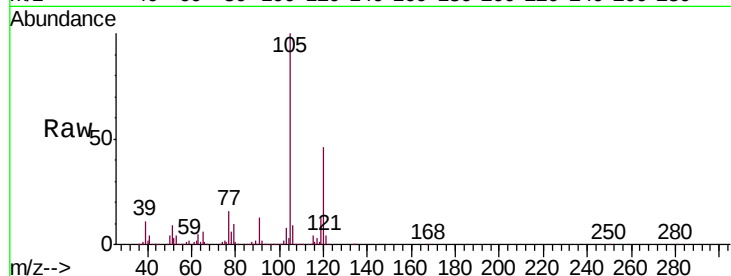




#73
 1,3,5-Trimethylbenzene
 Concen: 10.299 ppbv
 RT: 16.07 min Scan# 4132
 Delta R.T. 0.00 min
 Lab File: VL034339.D
 Acq: 18 Oct 2019 11:26

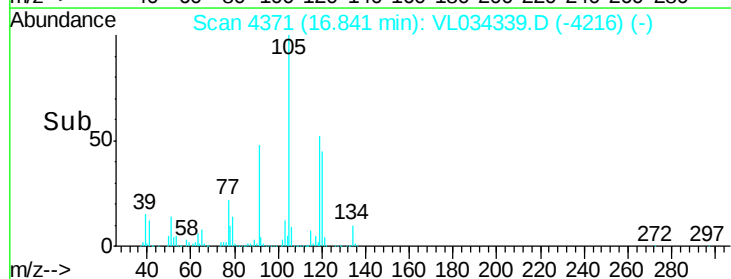
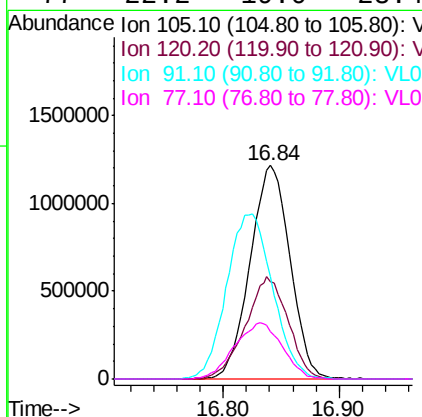
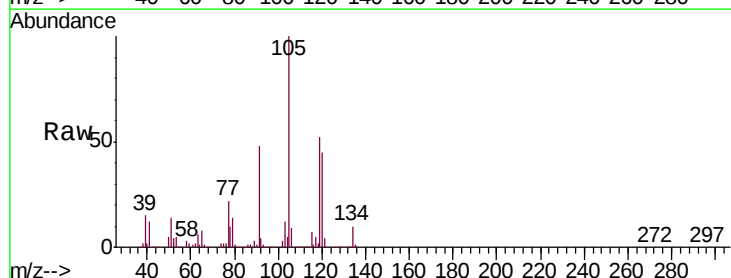
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017SABS01

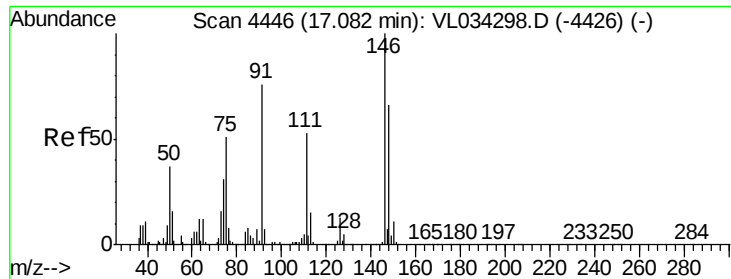
Tgt Ion:105 Resp: 2819360
 Ion Ratio Lower Upper
 105 100
 120 46.5 35.2 52.8



#74
 1,2,4-Trimethylbenzene
 Concen: 10.199 ppbv
 RT: 16.84 min Scan# 4371
 Delta R.T. -0.00 min
 Lab File: VL034339.D
 Acq: 18 Oct 2019 11:26

Tgt Ion:105 Resp: 2911407
 Ion Ratio Lower Upper
 105 100
 120 45.3 37.0 55.6
 91 47.4 38.2 57.2
 77 22.2 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 9.923 ppbv

RT: 17.08 min Scan# 4445

Delta R.T. -0.00 min

Lab File: VL034339.D

Acq: 18 Oct 2019 11:26

Instrument :

MSVOA_L

ClientSampleId :

VL1017SABS01

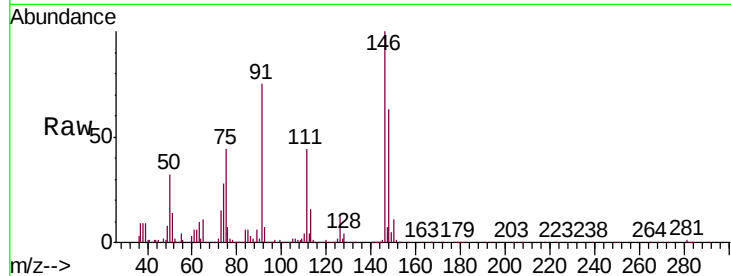
Tgt Ion:146 Resp: 1700704

Ion Ratio Lower Upper

146 100

111 47.4 24.5 73.5

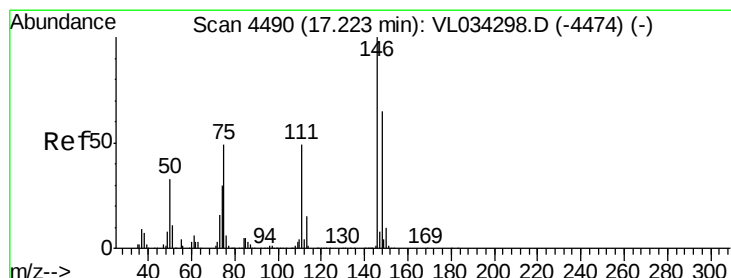
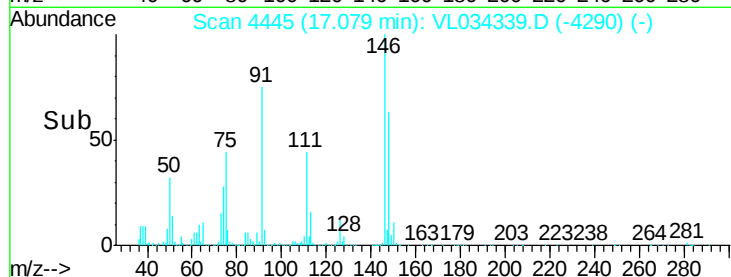
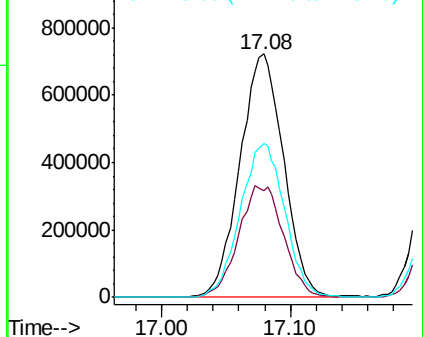
148 64.3 32.3 96.8



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: 10.172 ppbv

RT: 17.22 min Scan# 4489

Delta R.T. -0.00 min

Lab File: VL034339.D

Acq: 18 Oct 2019 11:26

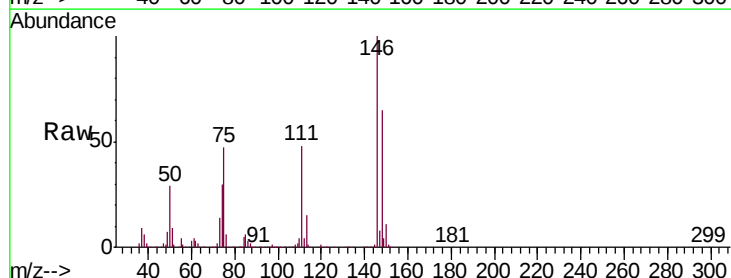
Tgt Ion:146 Resp: 1703011

Ion Ratio Lower Upper

146 100

111 46.9 23.9 71.7

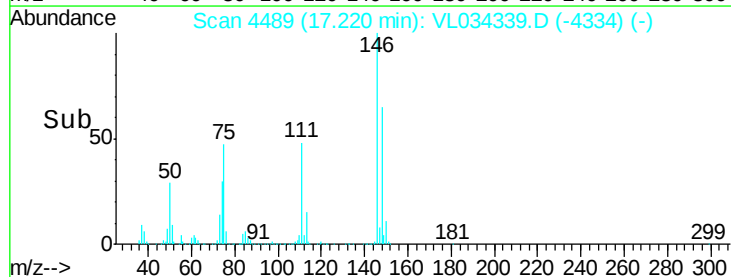
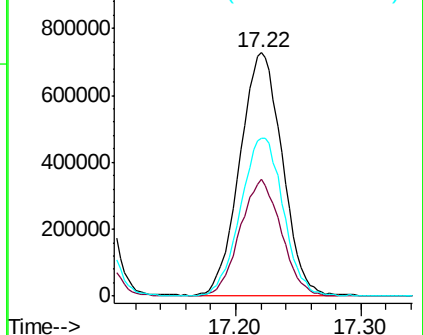
148 65.9 33.1 99.2

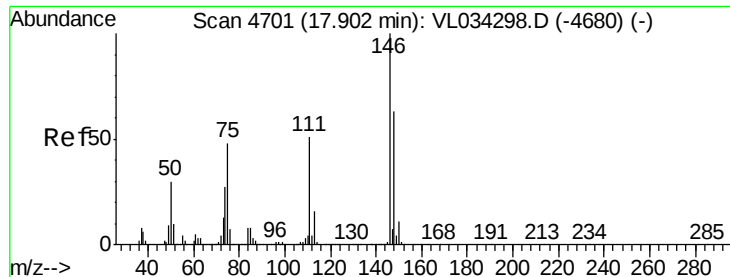


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

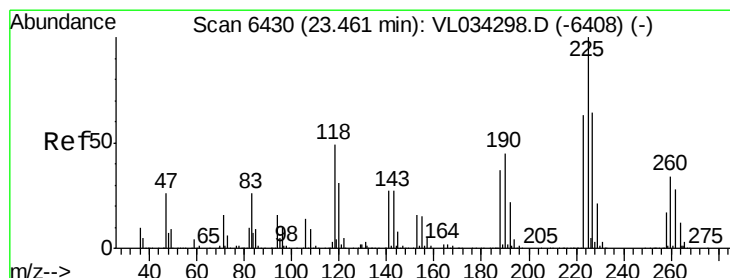
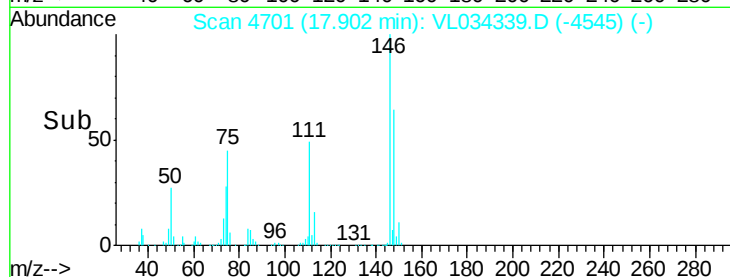
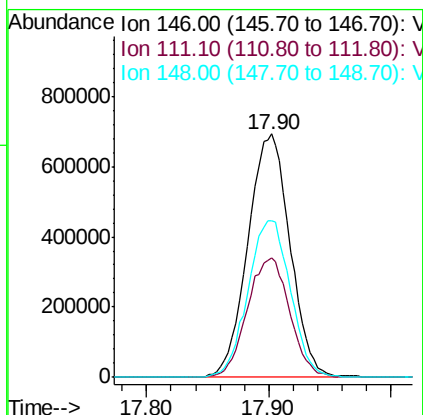
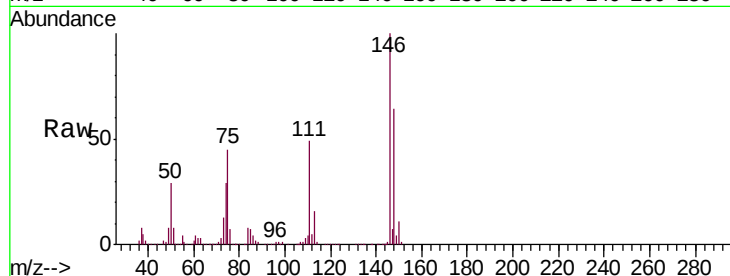




#77
 1,2-Dichlorobenzene
 Concen: 9.829 ppbv
 RT: 17.90 min Scan# 4701
 Delta R.T. 0.00 min
 Lab File: VL034339.D
 Acq: 18 Oct 2019 11:26

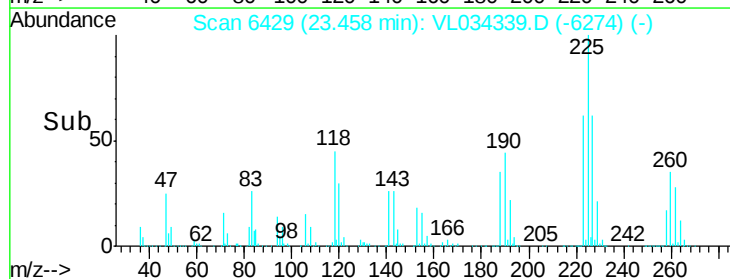
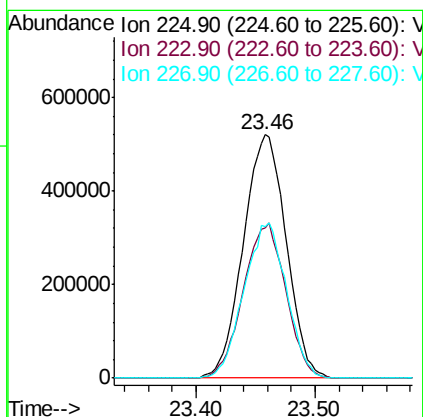
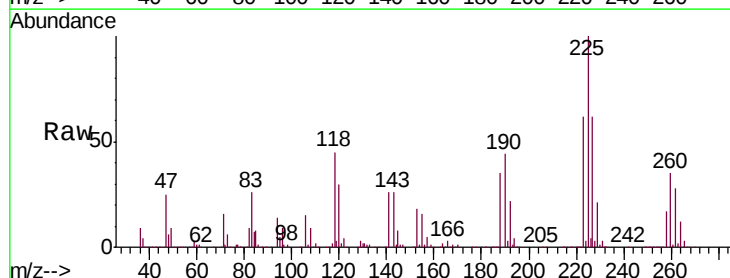
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017SABS01

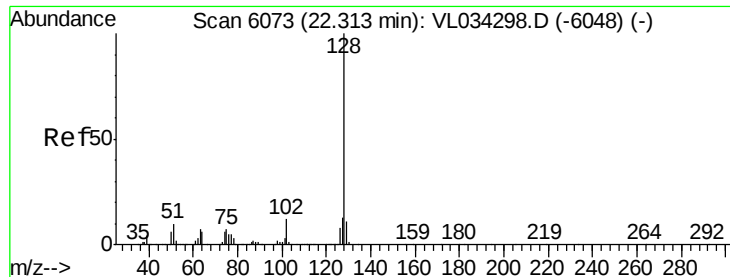
Tgt Ion:146 Resp: 1651695
 Ion Ratio Lower Upper
 146 100
 111 49.6 25.1 75.3
 148 65.3 32.3 96.8



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.346 ppbv
 RT: 23.46 min Scan# 6429
 Delta R.T. -0.00 min
 Lab File: VL034339.D
 Acq: 18 Oct 2019 11:26

Tgt Ion:225 Resp: 1299091
 Ion Ratio Lower Upper
 225 100
 223 63.0 50.8 76.2
 227 63.4 51.5 77.3

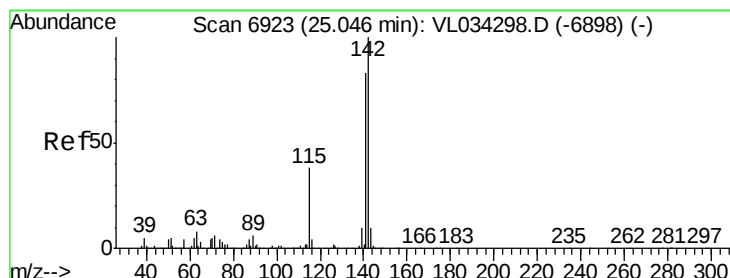
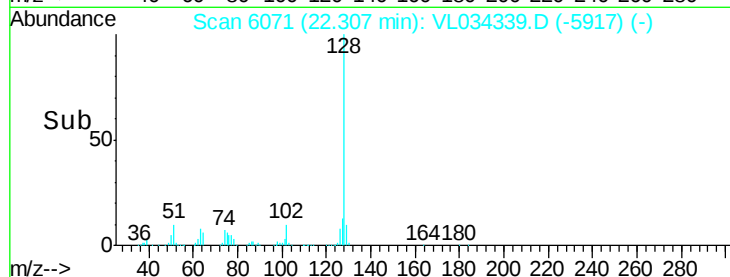
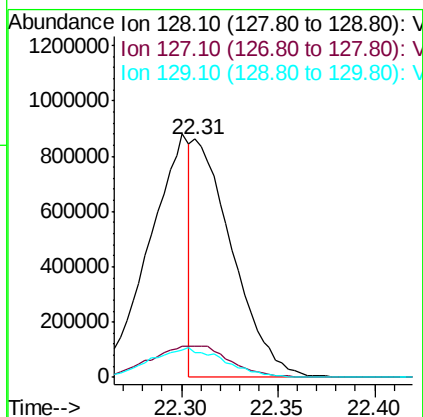
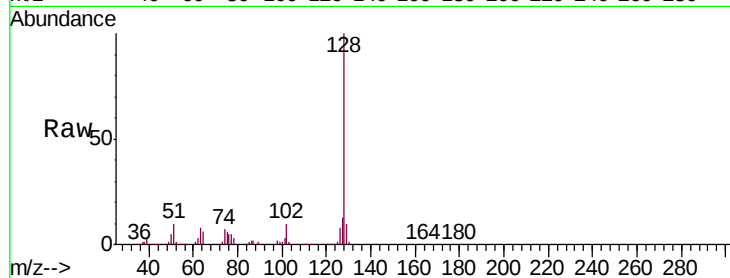




#79
Naphthalene
Concen: 5.879 ppbv
RT: 22.31 min Scan# 6071
Delta R.T. -0.01 min
Lab File: VL034339.D
Acq: 18 Oct 2019 11:26

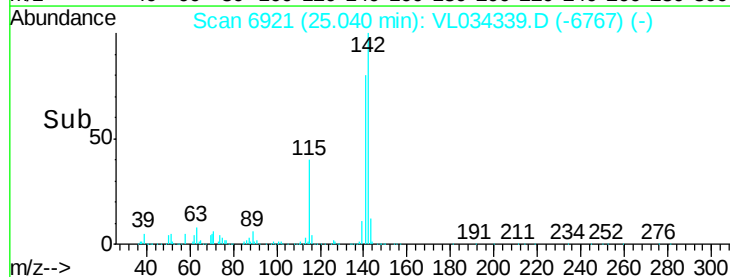
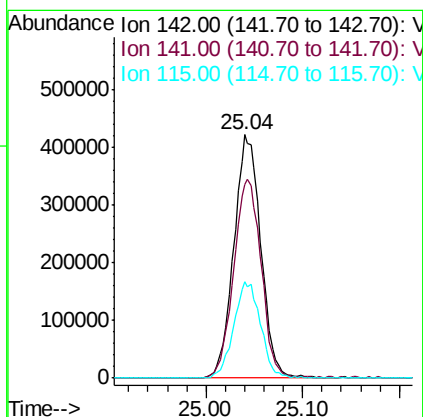
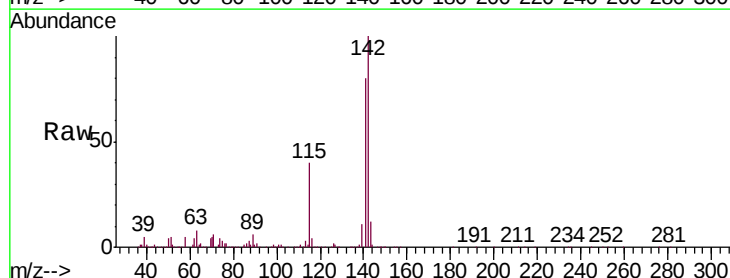
Instrument :
MSVOA_L
ClientSampleId :
VL1017SABS01

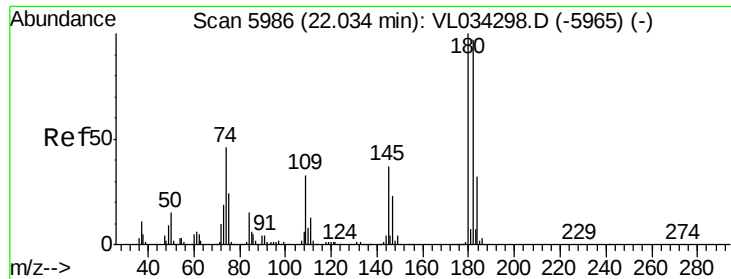
Tgt Ion:128 Resp: 1225954
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.4
129 10.3 8.9 13.3



#80
Naphthalene, 2-methyl-
Concen: 13.540 ppbv
RT: 25.04 min Scan# 6921
Delta R.T. -0.01 min
Lab File: VL034339.D
Acq: 18 Oct 2019 11:26

Tgt Ion:142 Resp: 816137
Ion Ratio Lower Upper
142 100
141 83.5 65.7 98.5
115 39.7 30.9 46.3

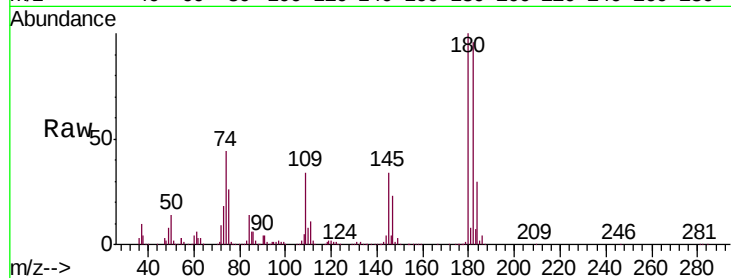




#81
 1,2,4-Trichlorobenzene
 Concen: 11.216 ppbv
 RT: 22.03 min Scan# 5986
 Delta R.T. 0.00 min
 Lab File: VL034339.D
 Acq: 18 Oct 2019 11:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017SABS01

Tgt Ion:180 Resp: 1527563
 Ion Ratio Lower Upper
 180 100
 182 96.6 77.8 116.8
 184 30.9 25.4 38.2



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

