

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101619\
 Data File : VL034311.D
 Acq On : 17 Oct 2019 00:01
 Operator : SY/AP
 Sample : K5111-13 0.4 PPB LOD
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 17 05:25:36 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	5.70	49	1045025	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.23	114	2001991	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.17	117	2019623	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.51	95	1785381	10.44	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	94770	0.526 ppbv	99
3) Chlorodifluoromethane	2.98	51	53707	0.438 ppbv	100
4) Chloromethane	3.14	50	32340	0.446 ppbv	91
5) Vinyl Chloride	3.25	62	28098	0.407 ppbv	90
6) Bromomethane	3.47	94	8109	0.240 ppbv	87
7) Chloroethane	3.56	64	10350	0.426 ppbv	91
8) Dichlorotetrafluoroethane	3.18	85	74827	0.479 ppbv	94
9) Propene	3.00	41	22197	0.409 ppbv	98
10) Heptane	8.19	43	26504	0.190 ppbv #	33
11) Trichlorofluoromethane	3.96	101	80448	0.470 ppbv	90
12) 1,1,2-Trichlorotrifluoroet	4.50	101	49989	0.446 ppbv	99
13) Ethanol	3.61	45	2635	0.217 ppbv #	36
14) Bromoethene	3.74	108	5845	0.132 ppbv #	7
15) Acetone	3.87	43	84822	0.567 ppbv	99
16) 1,3-Butadiene	3.33	39	22963	0.378 ppbv	100
17) tert-Butyl alcohol	4.33	59	41868	0.439 ppbv	95
18) 1,1-Dichloroethene	4.30	96	20640	0.421 ppbv	89
19) Isopropyl Alcohol	4.00	45	38937	0.467 ppbv #	90
20) Methylene Chloride	4.36	84	14438	0.267 ppbv	91
21) Allyl Chloride	4.43	41	35026	0.424 ppbv	99
22) trans-1,2-Dichloroethene	4.91	96	14816	0.303 ppbv #	70
23) Vinyl Acetate	5.10	43	66744	0.358 ppbv #	93
24) 1,1-Dichloroethane	5.03	63	35083	0.253 ppbv	98
25) Ethyl Acetate	5.72	43	107124	0.425 ppbv	99
26) Hexane	5.72	57	41797	0.389 ppbv #	81
27) Carbon Disulfide	4.57	76	39824	0.357 ppbv #	77
28) Methyl tert-Butyl Ether	5.07	73	60672	0.373 ppbv	96
29) Chloroform	5.79	83	28689	0.169 ppbv	86
30) Cyclohexane	7.19	84	18748	0.237 ppbv #	56
31) cis-1,2-Dichloroethene	5.58	61	38107	0.349 ppbv	91
32) 1,1,1-Trichloroethane	6.56	97	68087	0.412 ppbv	96
34) 2-Butanone	5.28	43	61155	0.374 ppbv	98
35) Carbon Tetrachloride	7.07	117	35814	0.205 ppbv	96
36) Benzene	6.94	78	70389	0.366 ppbv #	89
37) 1,2-Dichloroethane	6.35	62	62333	0.435 ppbv #	96
38) Trichloroethene	7.90	130	16431	0.213 ppbv	88
39) 1,2-Dichloropropane	7.67	63	31886	0.386 ppbv	96
40) 1,4-Dioxane	7.92	88	4326	0.149 ppbv #	1
41) Tetrahydrofuran	6.11	42	13381	0.147 ppbv #	40
42) Bromodichloromethane	7.85	83	69947	0.399 ppbv #	84
43) Methyl Methacrylate	8.08	69	19655	0.247 ppbv #	61

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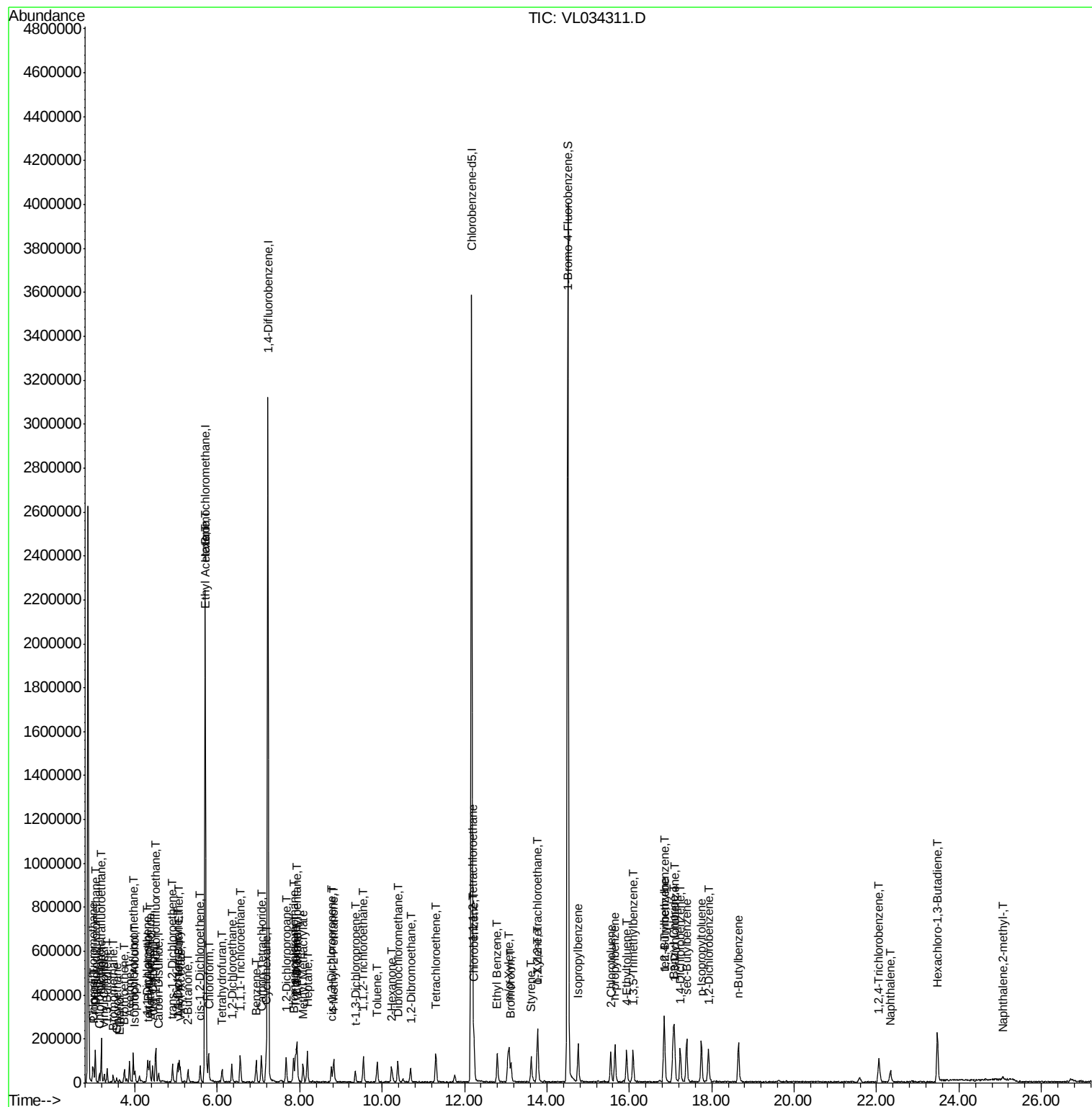
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.92	57	71146	0.200	ppbv #	32
45) t-1,3-Dichloropropene	9.35	75	17825	0.184	ppbv #	87
46) cis-1,3-Dichloropropene	8.76	75	15616	0.140	ppbv	93
47) 1,1,2-Trichloroethane	9.55	97	33575	0.401	ppbv	87
48) Dibromochloromethane	10.38	129	6292	0.046	ppbv #	1
49) Bromoform	13.13	173	8774	0.072	ppbv #	1
50) 4-Methyl-2-Pentanone	8.83	43	77055	0.329	ppbv	96
51) 2-Hexanone	10.23	43	35270	0.184	ppbv #	30
52) Tetrachloroethene	11.31	164	17803	0.236	ppbv #	77
53) Toluene	9.88	91	38281	0.181	ppbv #	33
54) 1,2-Dibromoethane	10.69	107	42381	0.341	ppbv	81
56) 1,1,1,2-Tetrachloroethane	12.21	131	20867	0.224	ppbv #	9
57) Chlorobenzene	12.23	112	47620	0.283	ppbv #	94
58) Ethyl Benzene	12.80	91	105525	0.374	ppbv #	85
59) m/p-Xylene	13.08	91	78796	0.322	ppbv #	13
60) o-Xylene	13.78	91	58624	0.241	ppbv #	33
61) Styrene	13.62	104	30710	0.179	ppbv #	38
62) Isopropylbenzene	14.76	105	127841	0.398	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.77	83	29624	0.151	ppbv #	25
64) n-propylbenzene	15.66	120	14867	0.180	ppbv #	1
65) tert-Butylbenzene	16.84	119	52393	0.184	ppbv #	1
66) Benzyl Chloride	17.09	91	14454	0.128	ppbv #	59
67) sec-Butylbenzene	17.39	105	144750	0.361	ppbv	99
69) p-Isopropyltoluene	17.75	119	115192	0.352	ppbv	96
70) n-Butylbenzene	18.65	91	61210	0.172	ppbv #	33
71) 2-Chlorotoluene	15.55	91	96752	0.388	ppbv	94
72) 4-Ethyltoluene	15.93	105	95640	0.349	ppbv #	96
73) 1,3,5-Trimethylbenzene	16.09	105	98061	0.361	ppbv	93
74) 1,2,4-Trimethylbenzene	16.86	105	110715	0.391	ppbv	96
75) 1,3-Dichlorobenzene	17.10	146	30573	0.180	ppbv #	22
76) 1,4-Dichlorobenzene	17.24	146	25812	0.156	ppbv #	1
77) 1,2-Dichlorobenzene	17.92	146	33030	0.198	ppbv #	19
78) Hexachloro-1,3-Butadiene	23.48	225	25034	0.182	ppbv #	5
79) Naphthalene	22.34	128	23684	0.115	ppbv #	90
80) Naphthalene, 2-methyl-	25.07	142	7291	0.122	ppbv	89
81) 1,2,4-Trichlorobenzene	22.06	180	5673	0.042	ppbv #	1

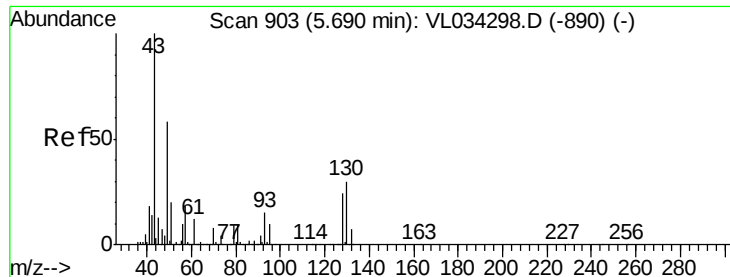
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.70 min Scan# 907

Delta R.T. 0.01 min

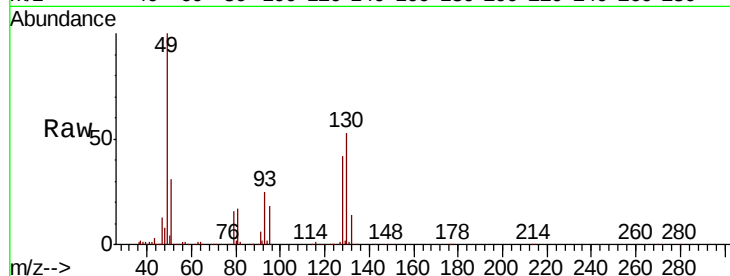
Lab File: VL034311.D

Acq: 17 Oct 2019 00:01

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 49 Resp: 1045025

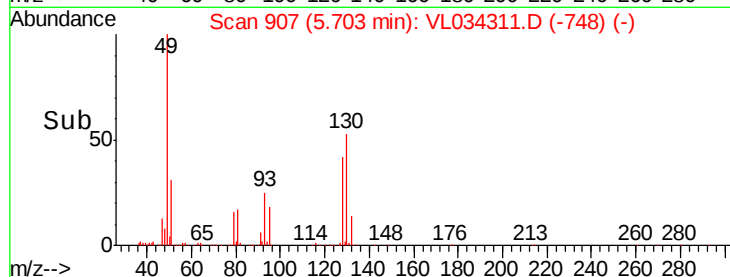
Ion	Ratio	Lower	Upper
49	100		
128	42.1	20.6	61.8
130	53.2	26.2	78.5



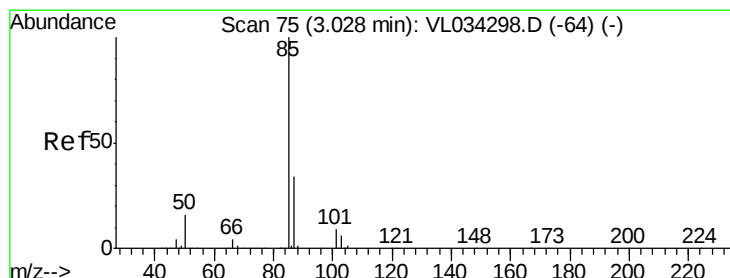
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 0.526 ppbv

RT: 3.04 min Scan# 79

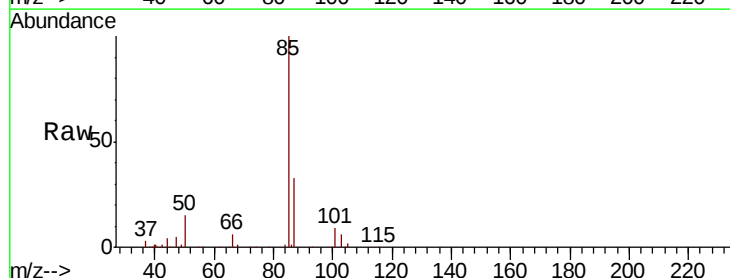
Delta R.T. 0.01 min

Lab File: VL034311.D

Acq: 17 Oct 2019 00:01

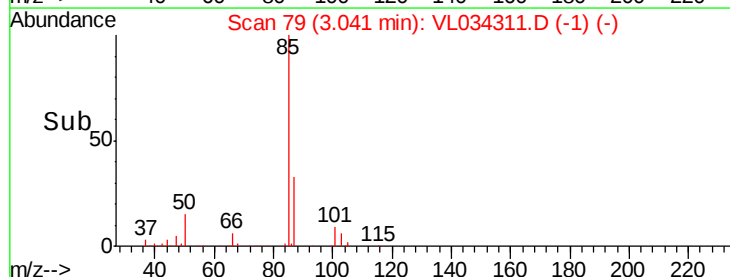
Tgt Ion: 85 Resp: 94770

Ion	Ratio	Lower	Upper
85	100		
87	33.2	27.0	40.6

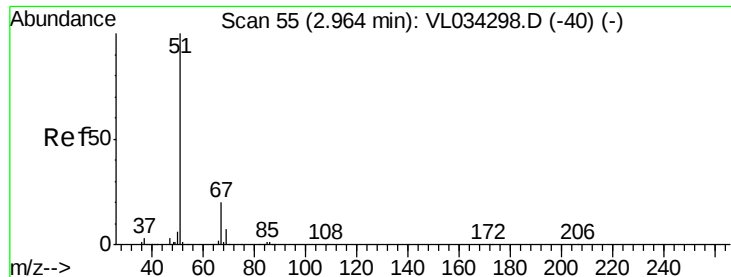


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



Time-->



#3

Chlorodifluoromethane

Concen: 0.438 ppbv

RT: 2.98 min Scan# 59

Delta R.T. 0.01 min

Lab File: VL034311.D

Acq: 17 Oct 2019 00:01

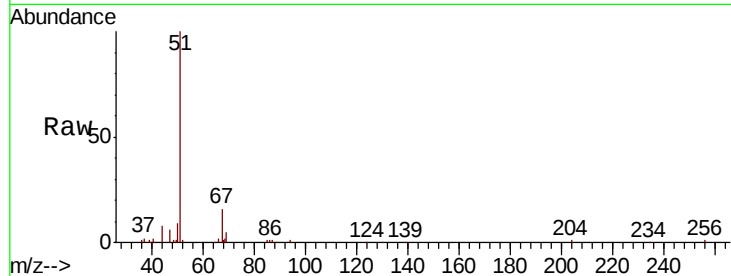
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 51 Resp: 53707

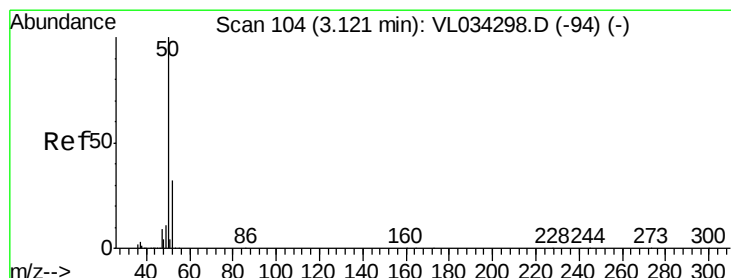
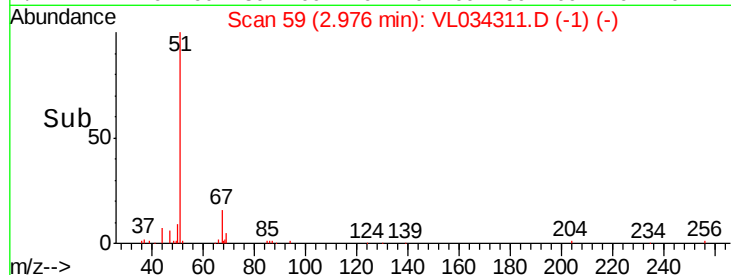
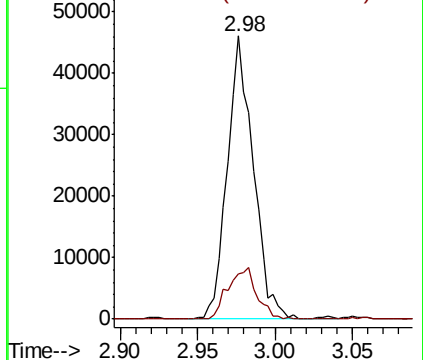
Ion Ratio Lower Upper

51 100

67 20.0 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: 0.446 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.02 min

Lab File: VL034311.D

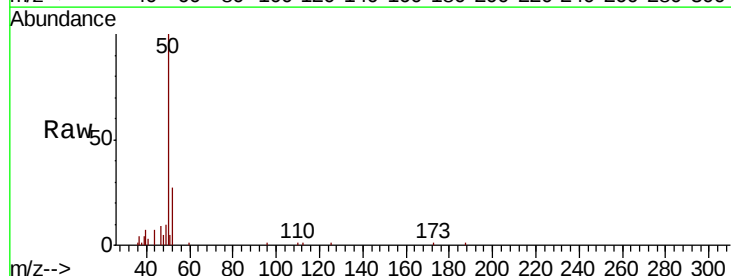
Acq: 17 Oct 2019 00:01

Tgt Ion: 50 Resp: 32340

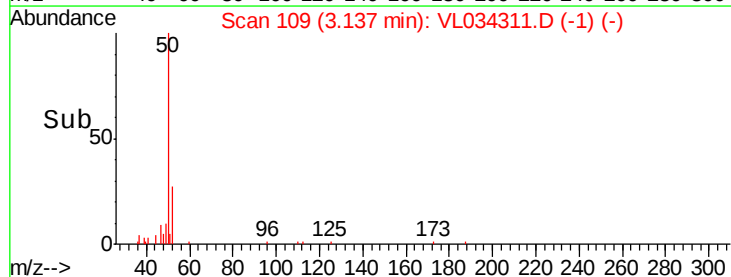
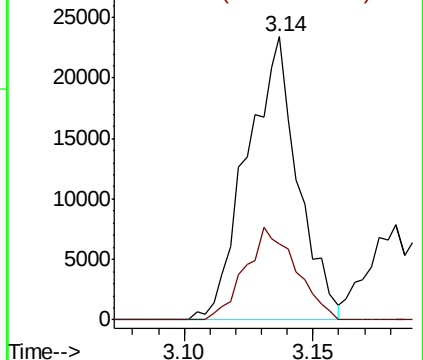
Ion Ratio Lower Upper

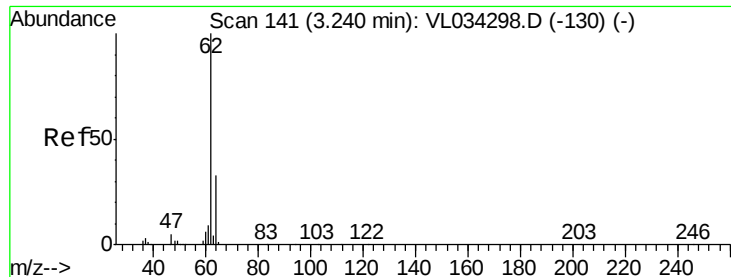
50 100

52 26.9 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: 0.407 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.01 min

Lab File: VL034311.D

Acq: 17 Oct 2019 00:01

Instrument :

MSVOA_L

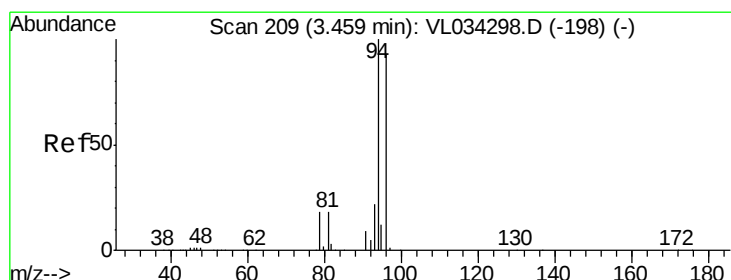
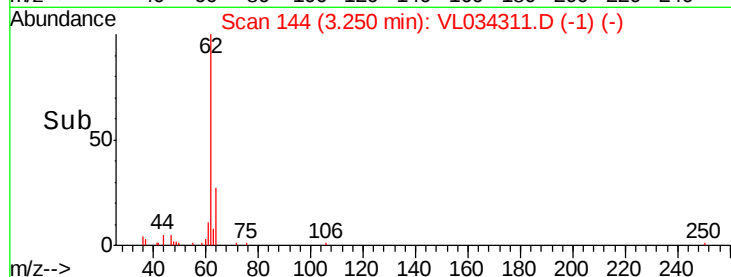
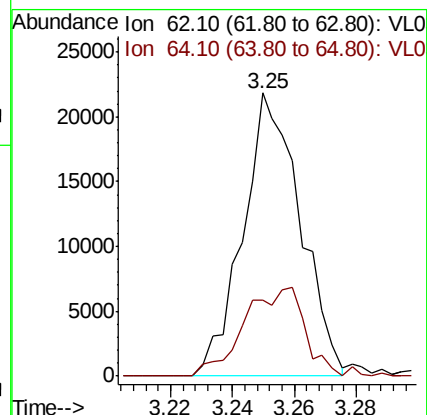
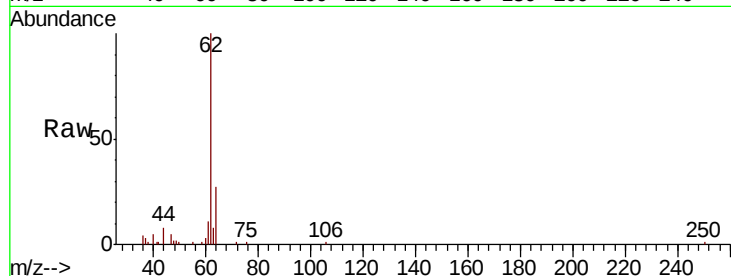
ClientSampled :

Tot Ion: 62 Resp: 28098

Ion Ratio Lower Upper

62 100

64 26.9 26.0 39.0



#6

Bromomethane

Concen: 0.240 ppbv

RT: 3.47 min Scan# 213

Delta R.T. 0.01 min

Lab File: VL034311.D

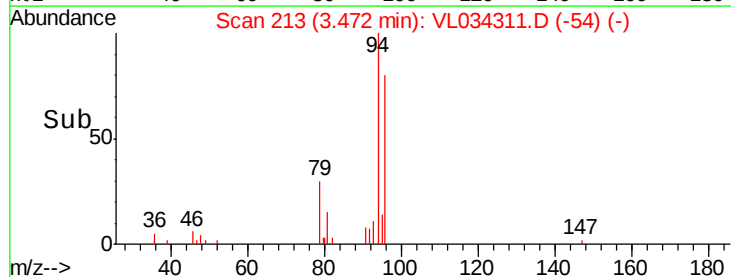
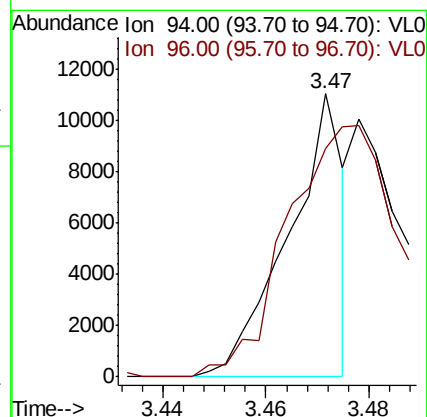
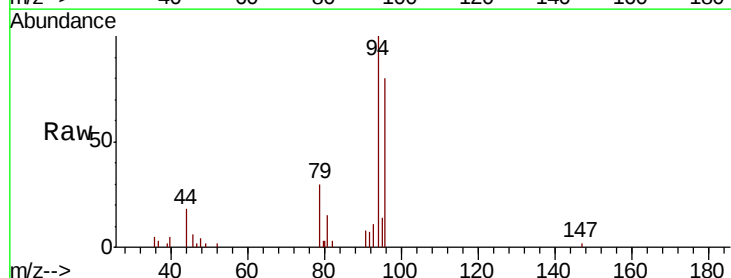
Acq: 17 Oct 2019 00:01

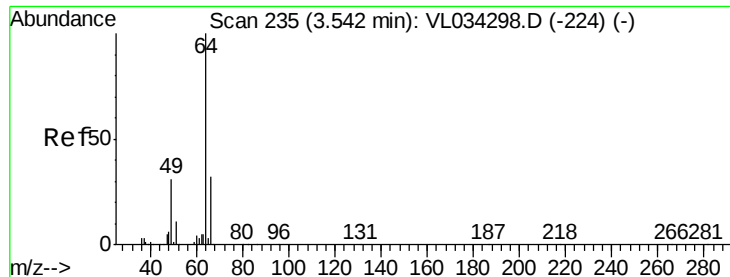
Tgt Ion: 94 Resp: 8109

Ion Ratio Lower Upper

94 100

96 80.5 74.6 112.0





#7

Chloroethane

Concen: 0.426 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.02 min

Lab File: VL034311.D

Acq: 17 Oct 2019 00:01

Instrument :

MSVOA_L

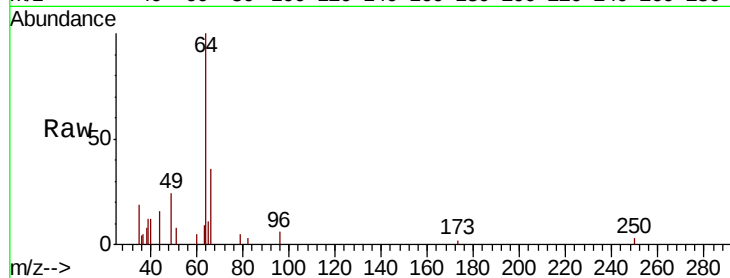
ClientSampleId :

Tot Ion: 64 Resp: 10350

Ion Ratio Lower Upper

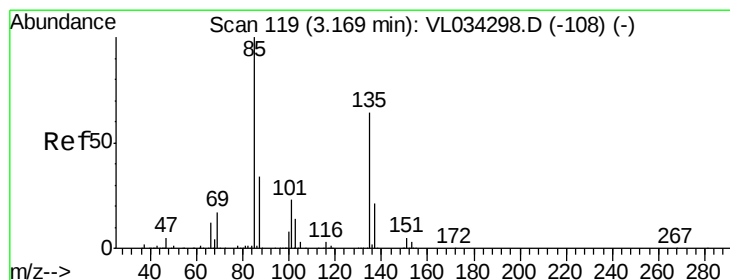
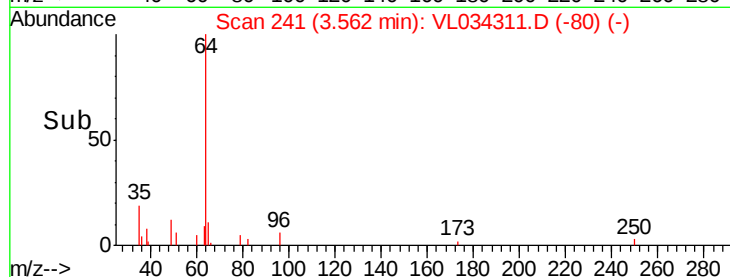
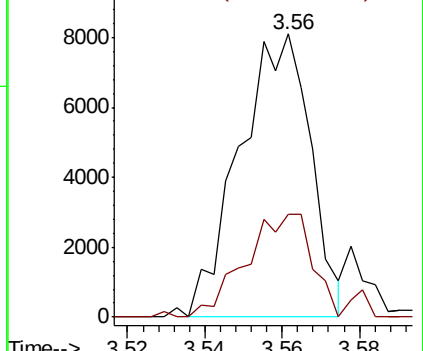
64 100

66 36.5 25.4 38.0



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.479 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.01 min

Lab File: VL034311.D

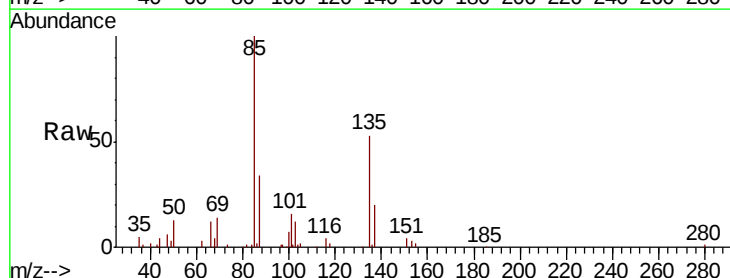
Acq: 17 Oct 2019 00:01

Tgt Ion: 85 Resp: 74827

Ion Ratio Lower Upper

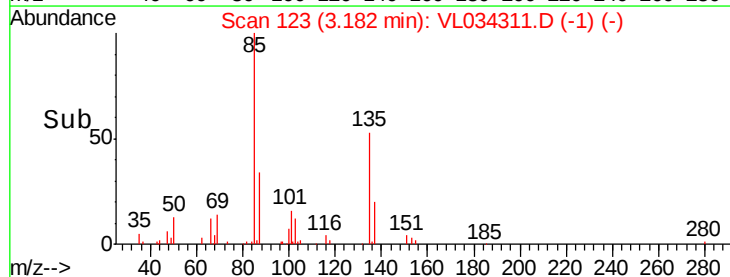
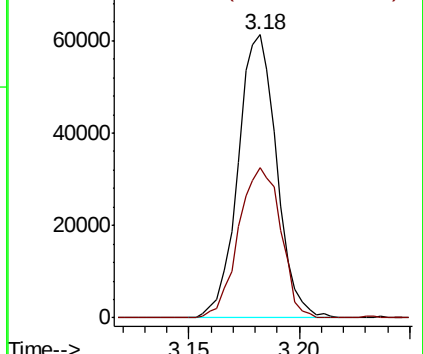
85 100

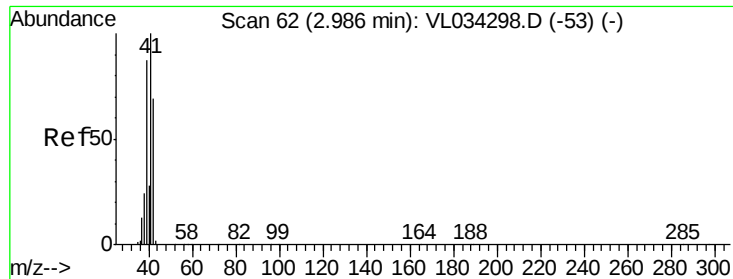
135 58.1 50.2 75.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.409 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.01 min

Lab File: VL034311.D

Acq: 17 Oct 2019 00:01

Instrument :

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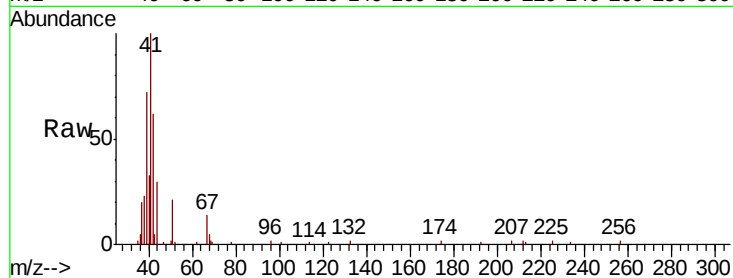
ClientSampleId :

Tot Ion: 41 Resp: 22197

Ion Ratio Lower Upper

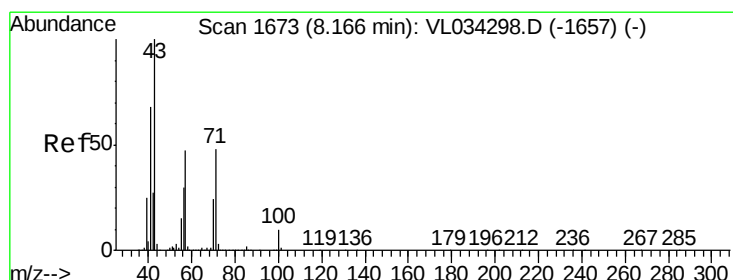
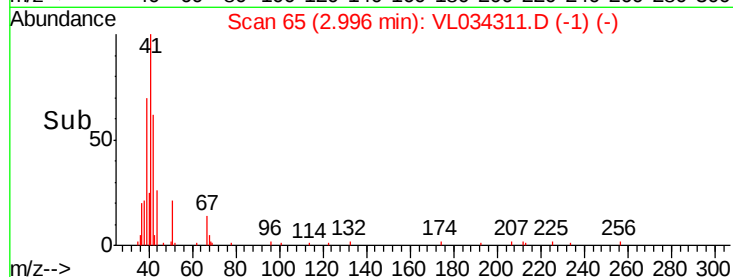
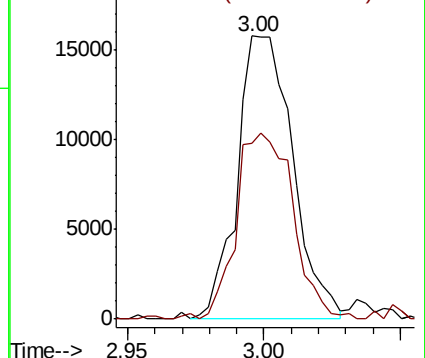
41 100

42 69.2 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.190 ppbv

RT: 8.19 min Scan# 1679

Delta R.T. 0.02 min

Lab File: VL034311.D

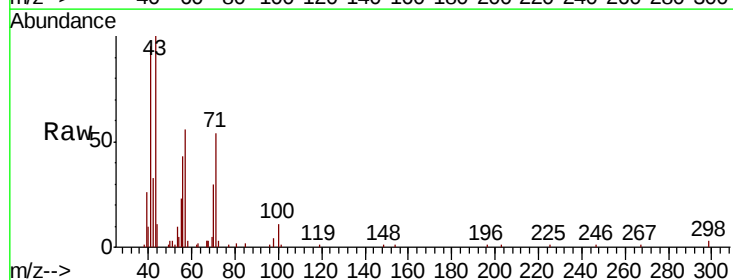
Acq: 17 Oct 2019 00:01

Tgt Ion: 43 Resp: 26504

Ion Ratio Lower Upper

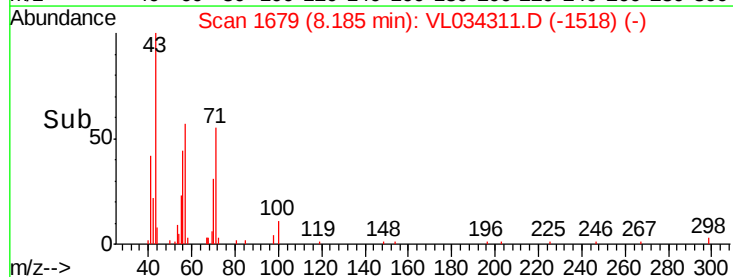
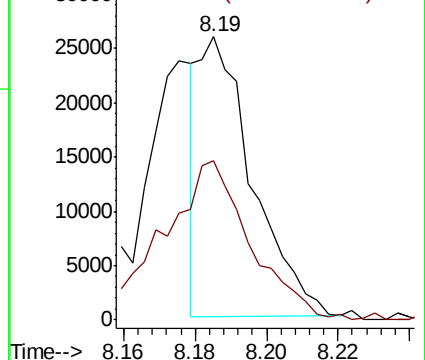
43 100

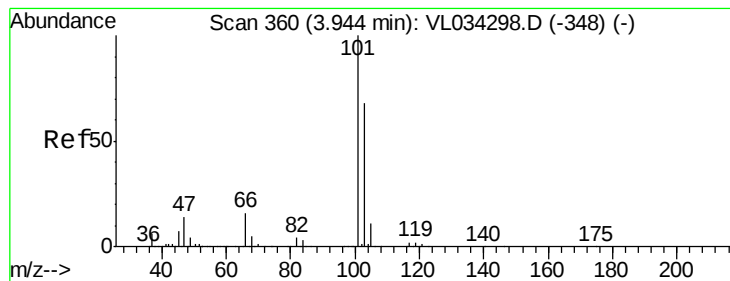
57 95.1 39.5 59.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 0.470 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.02 min

Lab File: VL034311.D

Acq: 17 Oct 2019 00:01

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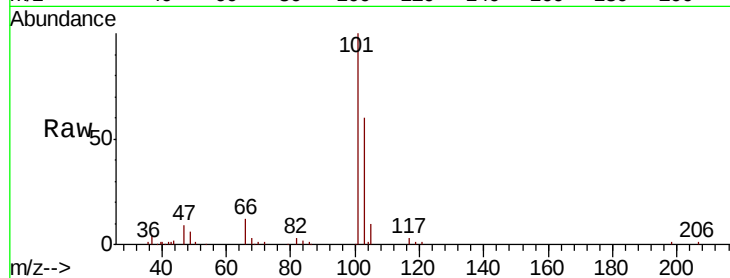
ClientSampleId :

Tot Ion:101 Resp: 80448

Ion Ratio Lower Upper

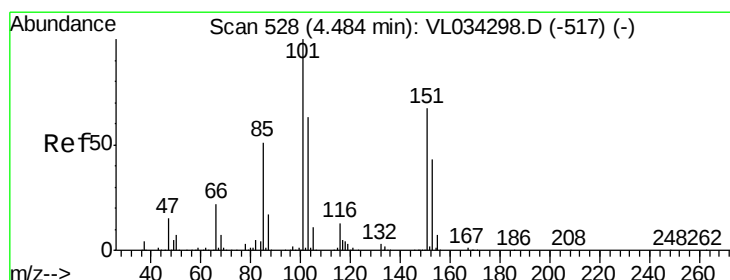
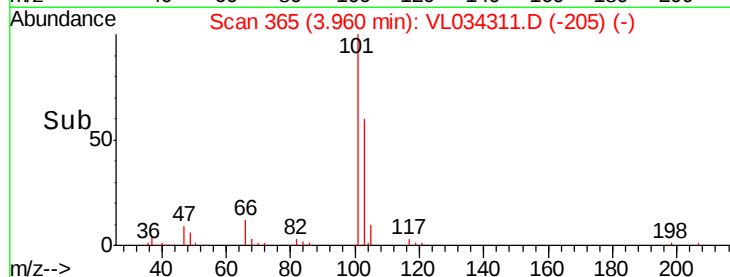
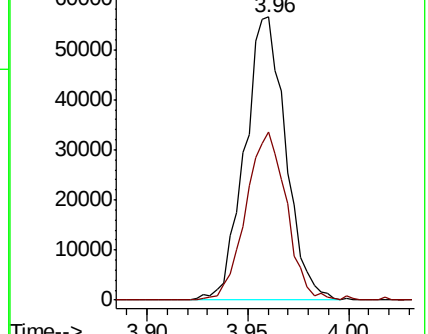
101 100

103 59.6 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: 0.446 ppbv

RT: 4.50 min Scan# 534

Delta R.T. 0.02 min

Lab File: VL034311.D

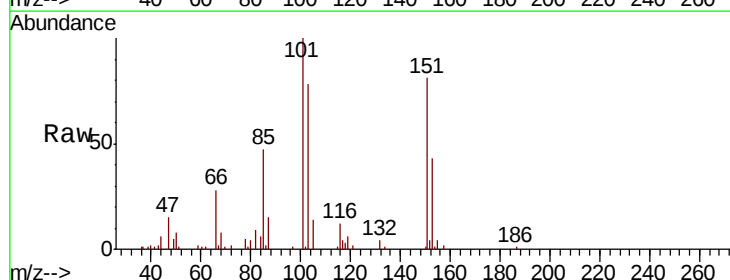
Acq: 17 Oct 2019 00:01

Tgt Ion:101 Resp: 49989

Ion Ratio Lower Upper

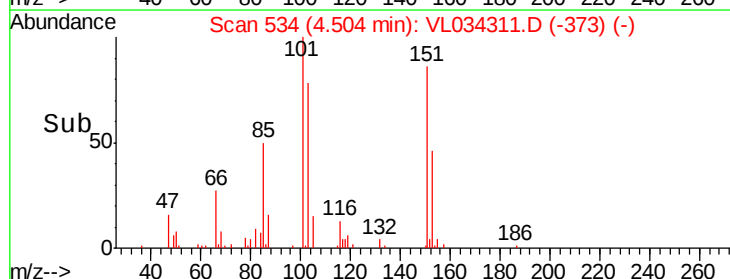
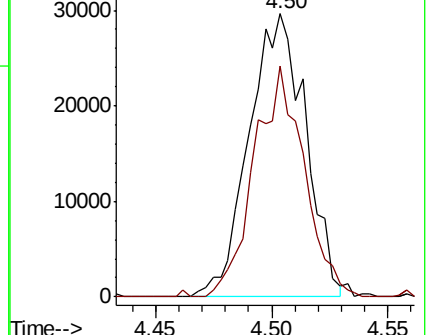
101 100

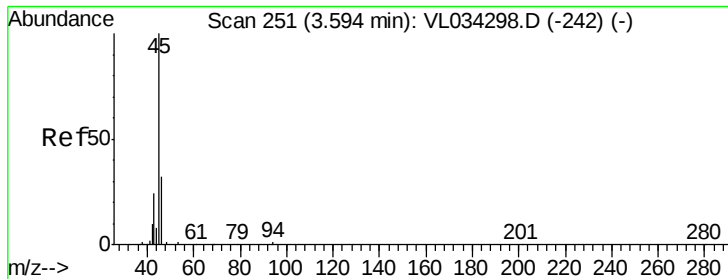
151 72.3 57.4 86.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

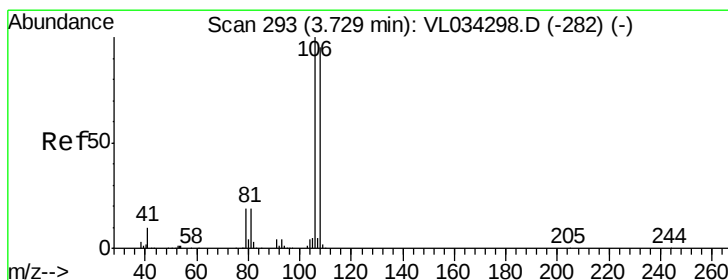
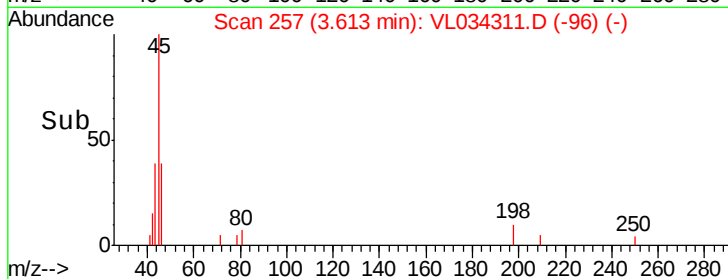
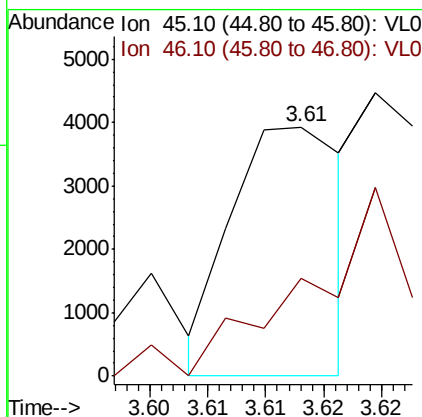
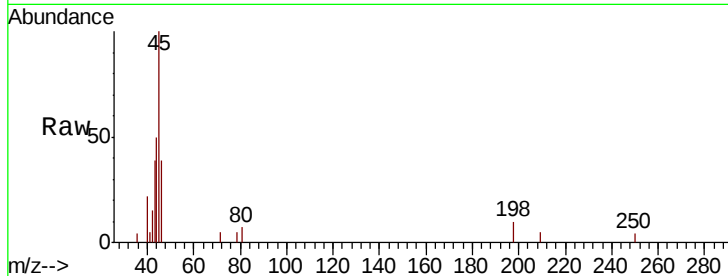




#13
Ethanol
Concen: 0.217 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.02 min
Lab File: VL034311.D
Acq: 17 Oct 2019 00:01

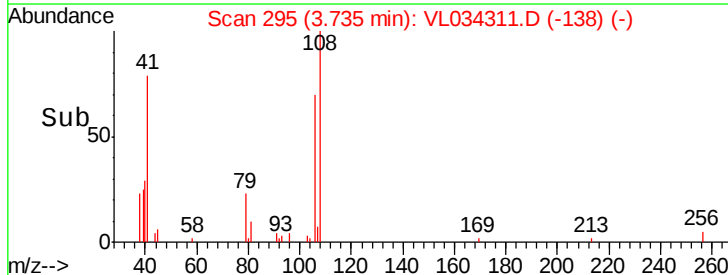
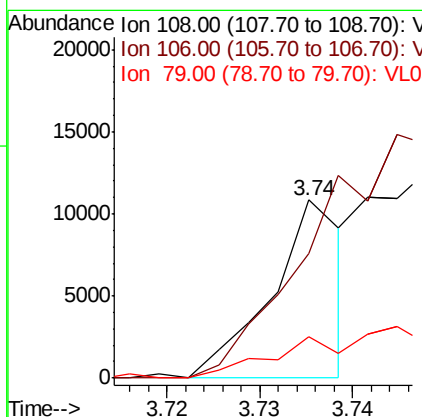
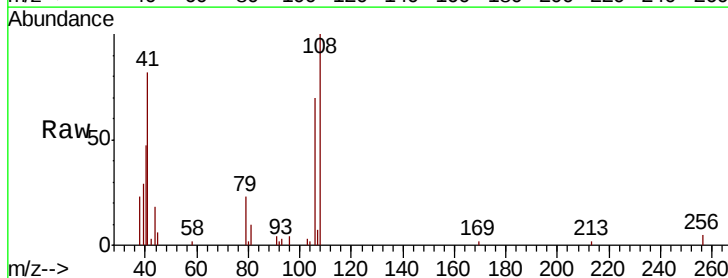
Instrument :
MSVOA_L
ClientSampleId :

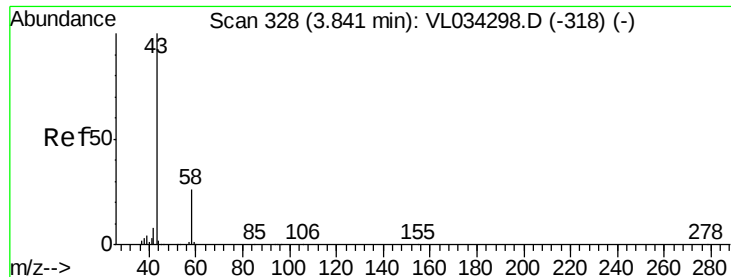
Tot Ion: 45 Resp: 2635
Ion Ratio Lower Upper
45 100
46 0.0 15.8 63.2#



#14
Bromoethene
Concen: 0.132 ppbv
RT: 3.74 min Scan# 295
Delta R.T. 0.01 min
Lab File: VL034311.D
Acq: 17 Oct 2019 00:01

Tgt Ion: 108 Resp: 5845
Ion Ratio Lower Upper
108 100
106 0.0 84.8 127.2#
79 0.0 17.0 25.4#





#15

Acetone

Concen: 0.567 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.03 min

Lab File: VL034311.D

Acq: 17 Oct 2019 00:01

Instrument :

MSVOA_L

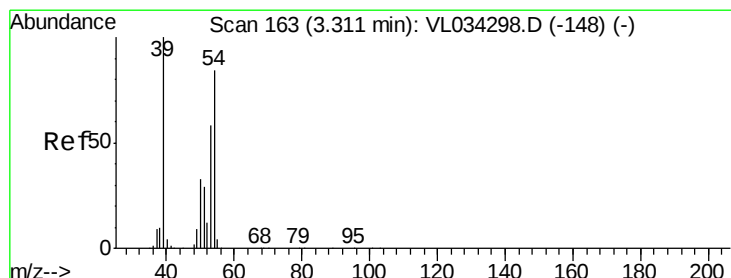
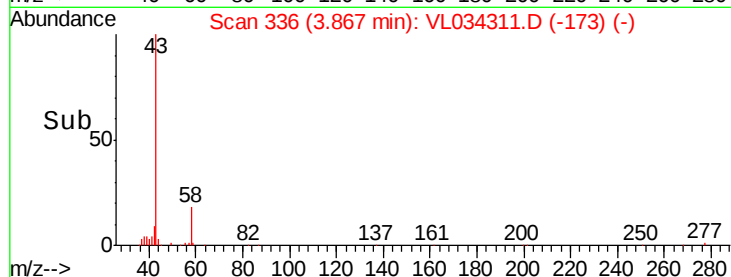
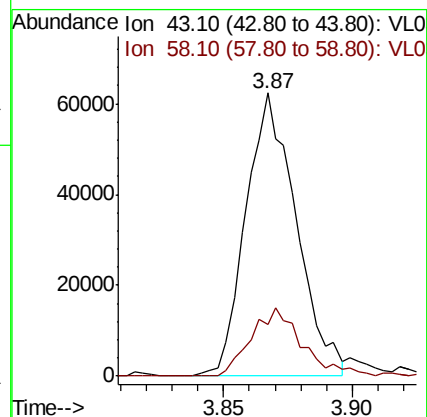
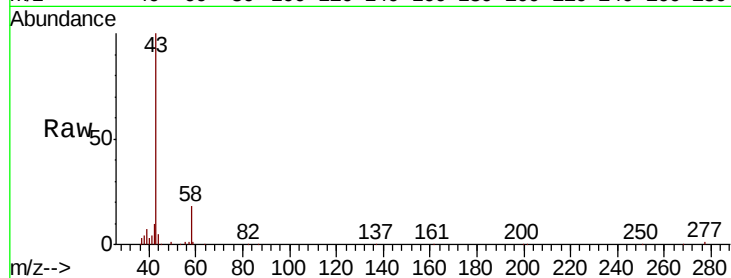
ClientSampleId :

Tot Ion: 43 Resp: 84822

Ion Ratio Lower Upper

43 100

58 24.9 20.4 30.6



#16

1,3-Butadiene

Concen: 0.378 ppbv

RT: 3.33 min Scan# 168

Delta R.T. 0.02 min

Lab File: VL034311.D

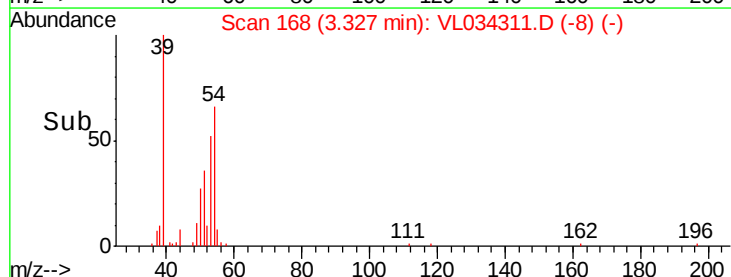
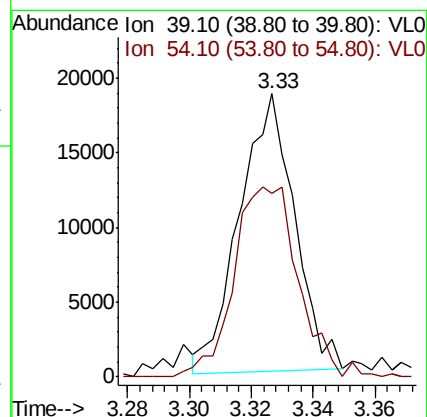
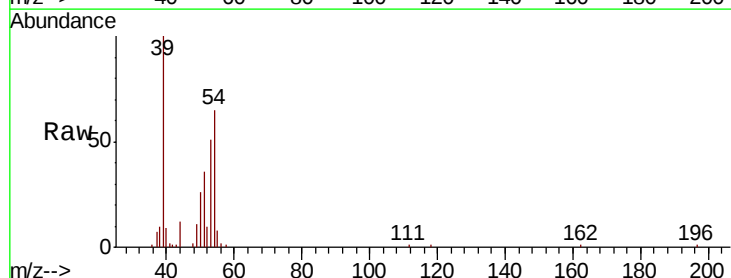
Acq: 17 Oct 2019 00:01

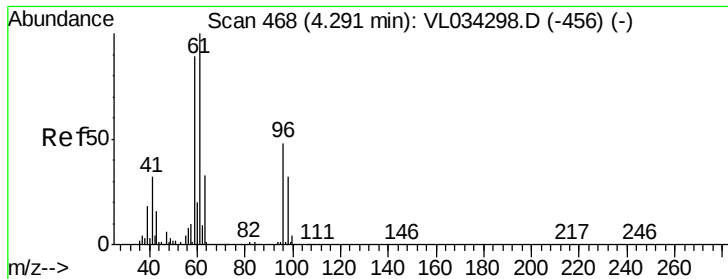
Tgt Ion: 39 Resp: 22963

Ion Ratio Lower Upper

39 100

54 80.3 63.9 95.9



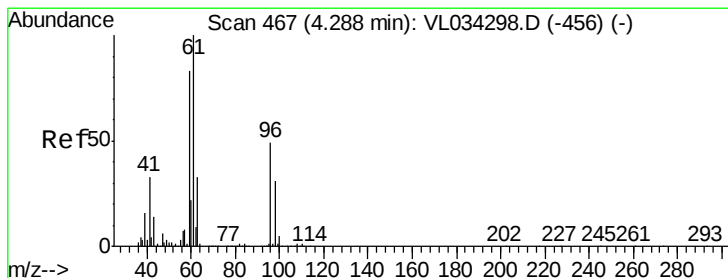
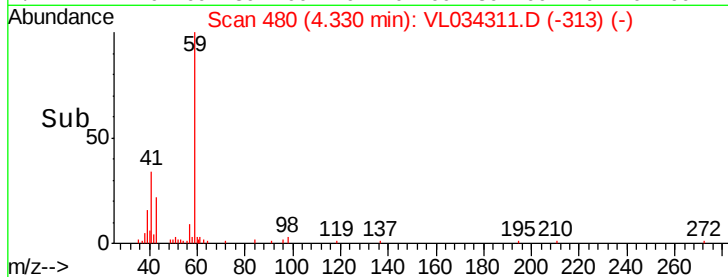
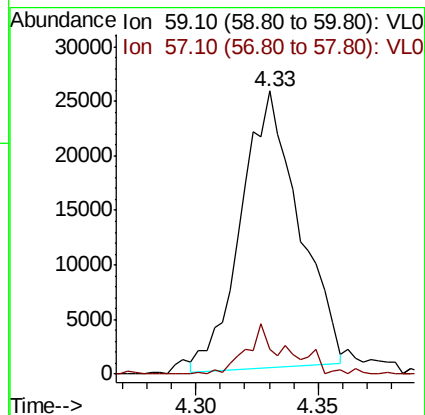
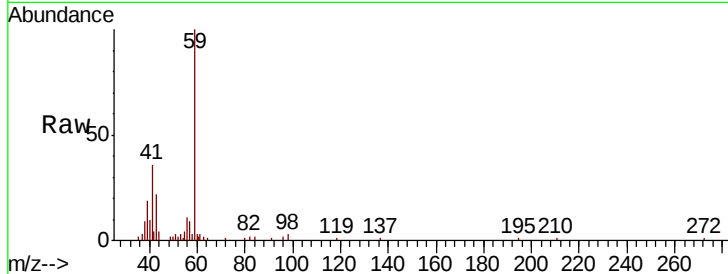


#17

tert-Butyl alcohol
Concen: 0.439 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.04 min
Lab File: VL034311.D
Acq: 17 Oct 2019 00:01

Instrument :
MSVOA_L
ClientSampleId :

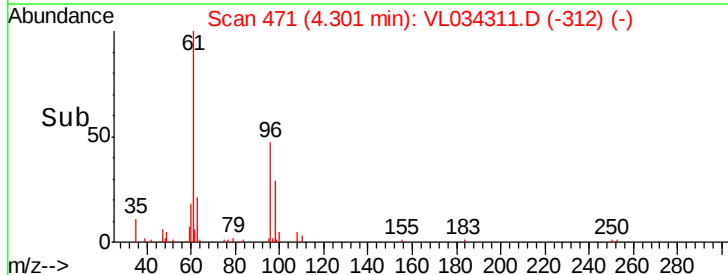
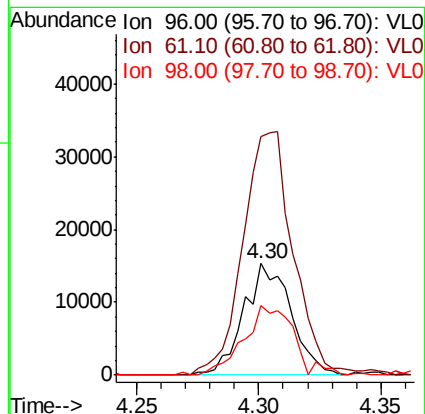
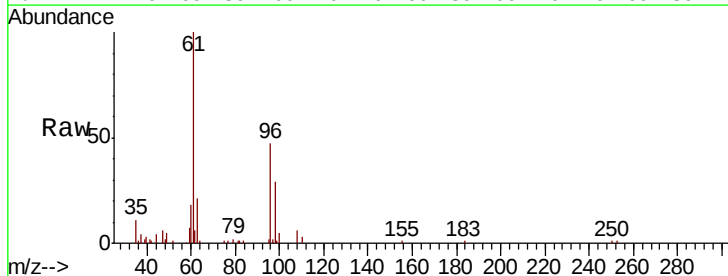
Tot Ion: 59 Resp: 41868
Ion Ratio Lower Upper
59 100
57 12.8 8.8 13.2

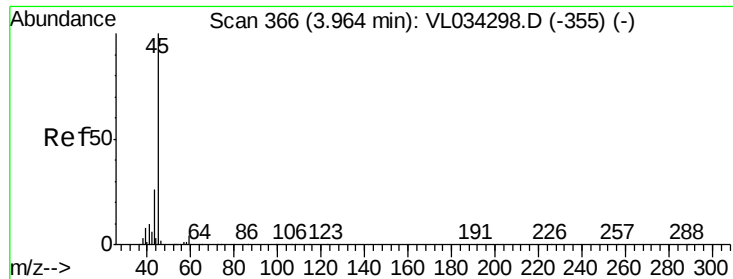


#18

1,1-Dichloroethene
Concen: 0.421 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.01 min
Lab File: VL034311.D
Acq: 17 Oct 2019 00:01

Tgt Ion: 96 Resp: 20640
Ion Ratio Lower Upper
96 100
61 225.6 164.5 246.7
98 61.9 51.7 77.5





#19

Isopropyl Alcohol

Concen: 0.467 ppbv

RT: 4.00 min Scan# 376

Delta R.T. 0.03 min

Lab File: VL034311.D

Acq: 17 Oct 2019 00:01

Instrument :

MSVOA_L

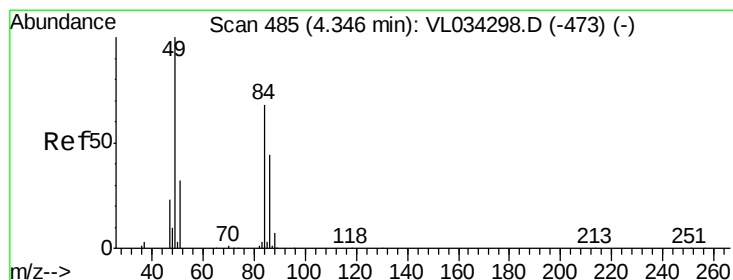
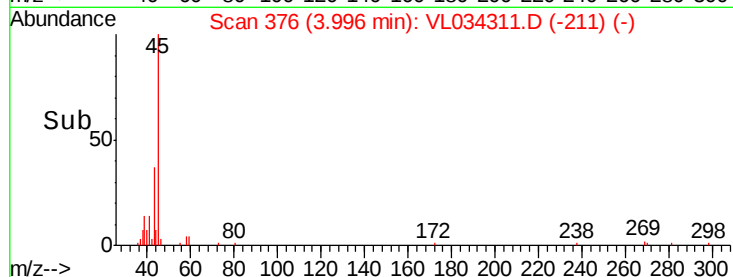
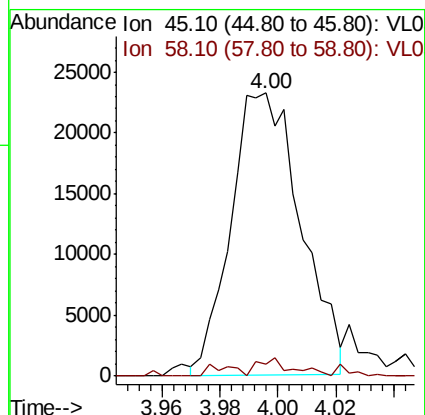
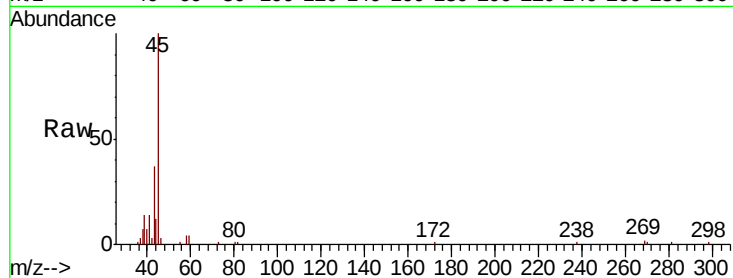
ClientSampleId :

Tot Ion: 45 Resp: 38937

Ion Ratio Lower Upper

45 100

58 5.3 1.4 2.2#



#20

Methylene Chloride

Concen: 0.267 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.01 min

Lab File: VL034311.D

Acq: 17 Oct 2019 00:01

Tgt Ion: 84 Resp: 14438

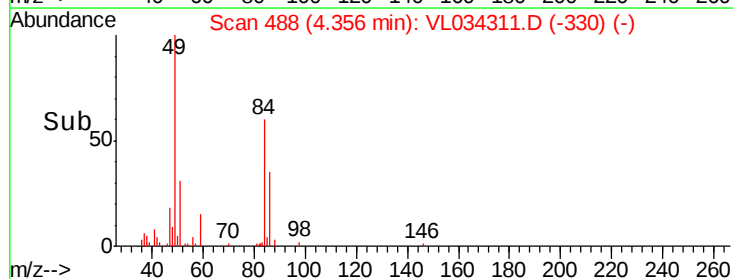
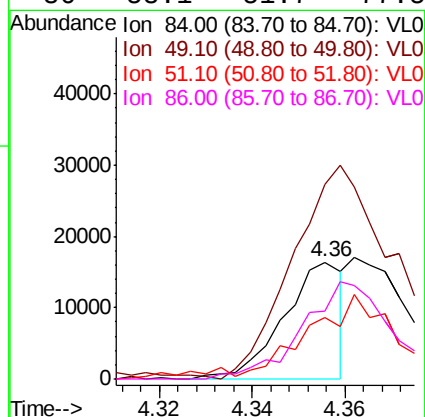
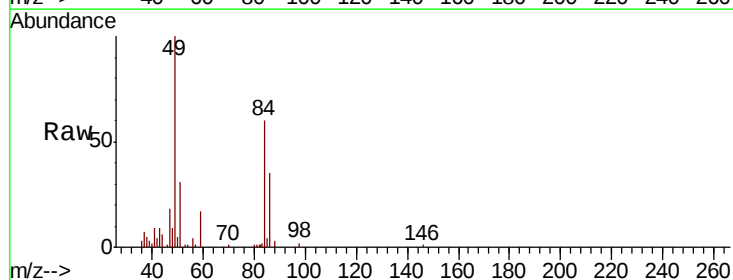
Ion Ratio Lower Upper

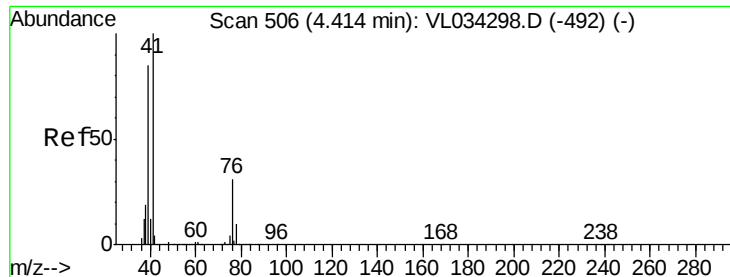
84 100

49 161.4 118.5 177.7

51 45.4 38.8 58.2

86 58.1 51.7 77.5





#21

Allvl Chloride

Concen: 0.424 ppbv

RT: 4.43 min Scan# 511

Delta R.T. 0.02 min

Lab File: VL034311.D

Acq: 17 Oct 2019 00:01

Instrument :

MSVOA_L

ClientSampleId :

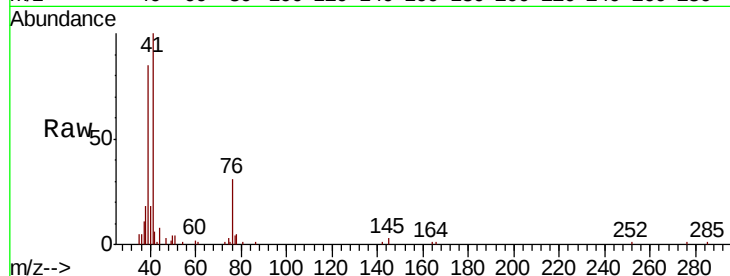
Tot Ion: 41 Resp: 35026

Ion Ratio Lower Upper

41 100

76 27.5 22.8 34.2

39 83.1 66.0 99.0

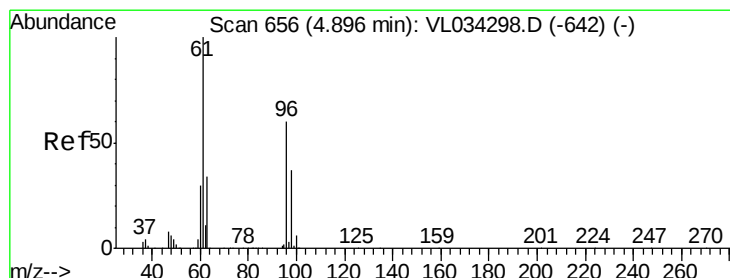
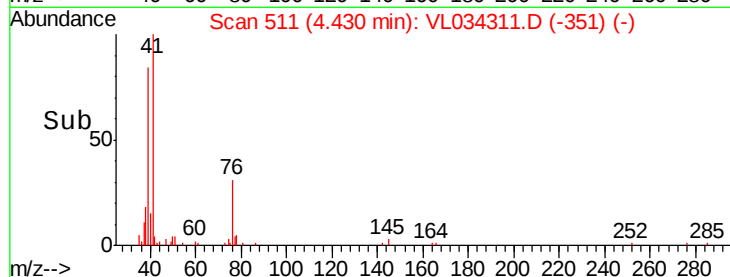
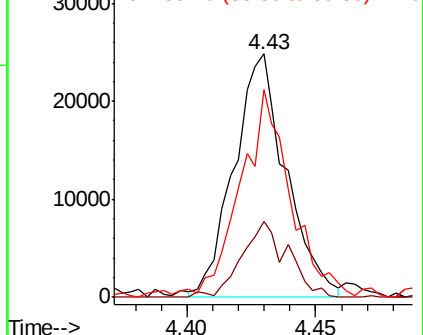


Abundance

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: 0.303 ppbv

RT: 4.91 min Scan# 660

Delta R.T. 0.01 min

Lab File: VL034311.D

Acq: 17 Oct 2019 00:01

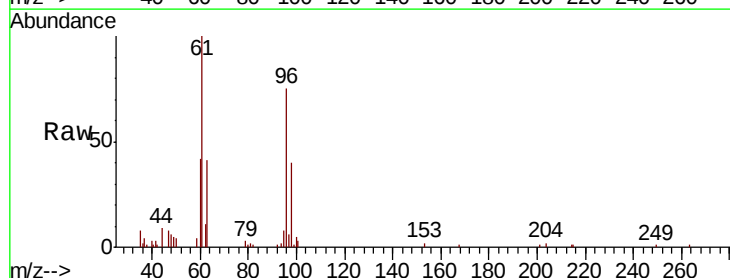
Tgt Ion: 96 Resp: 14816

Ion Ratio Lower Upper

96 100

61 117.3 133.8 200.6#

98 52.1 49.4 74.0

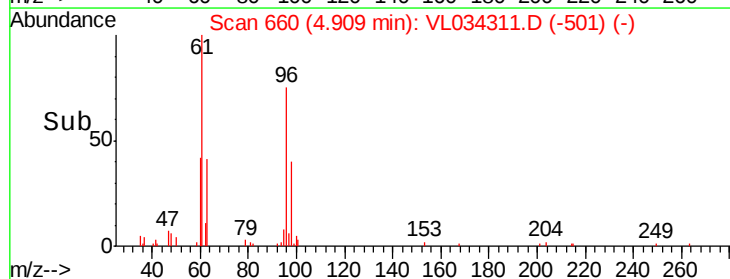
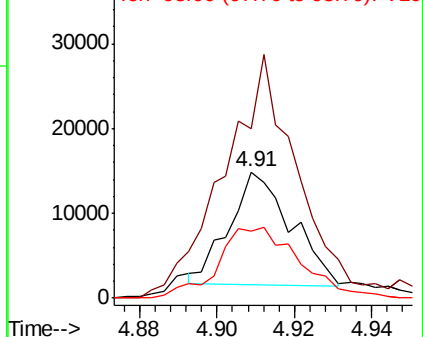


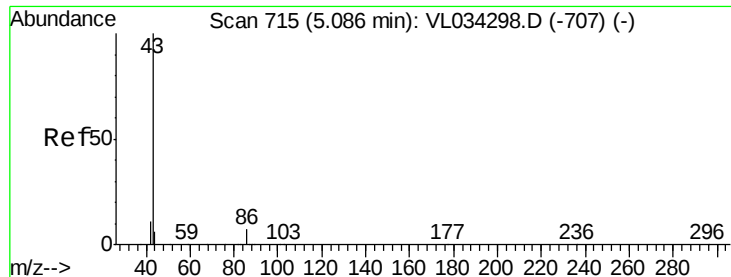
Abundance

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: 0.358 ppbv

RT: 5.10 min Scan# 720

Delta R.T. 0.02 min

Lab File: VL034311.D

Acq: 17 Oct 2019 00:01

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 66744

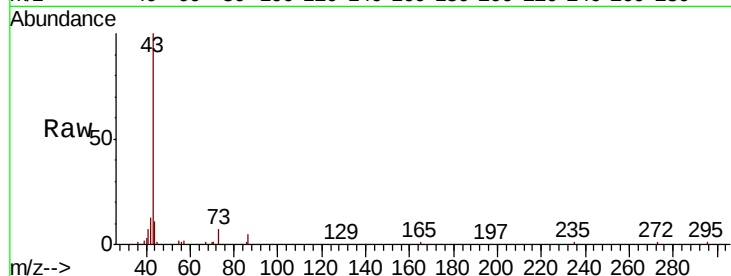
Ion Ratio Lower Upper

43 100

86 4.9 5.0 7.4#

42 14.1 8.6 13.0#

44 8.7 4.8 7.2#

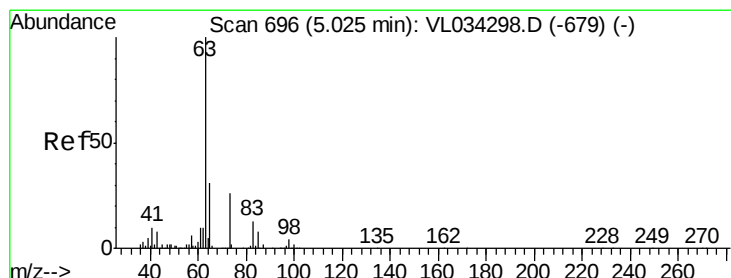
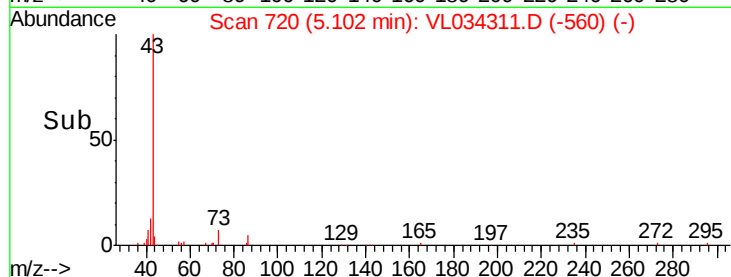
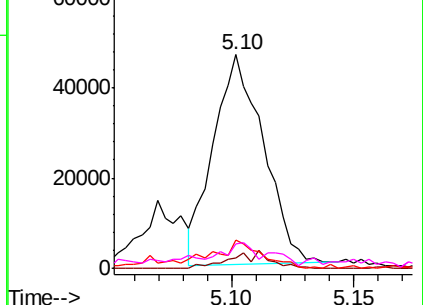


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.253 ppbv

RT: 5.03 min Scan# 699

Delta R.T. 0.01 min

Lab File: VL034311.D

Acq: 17 Oct 2019 00:01

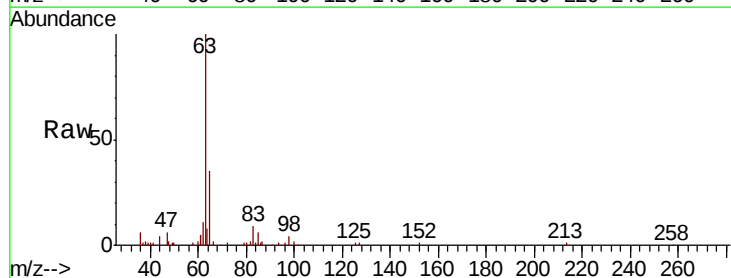
Tgt Ion: 63 Resp: 35083

Ion Ratio Lower Upper

63 100

98 3.2 2.0 6.0

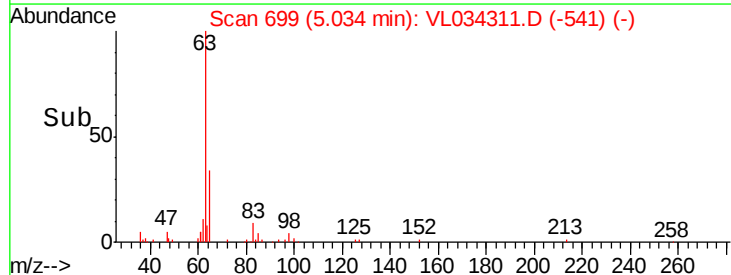
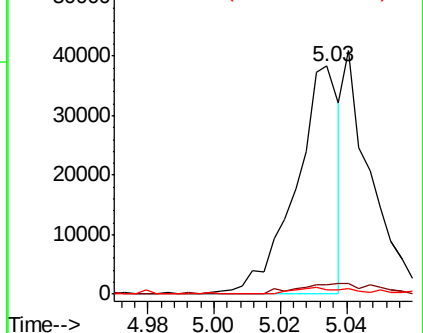
100 1.8 1.1 3.5

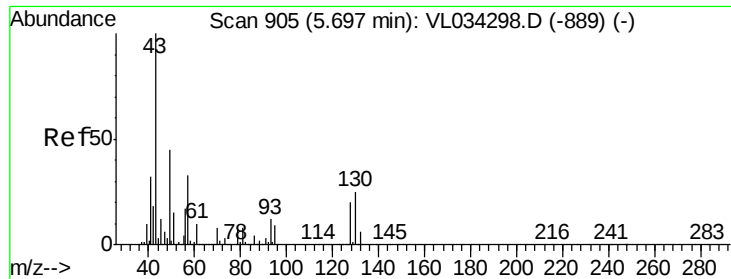


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

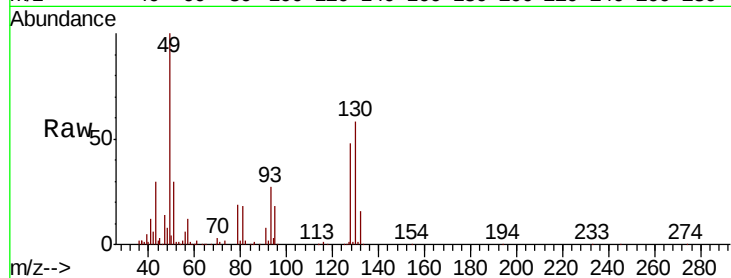




#25
Ethyl Acetate
Concen: 0.425 ppbv
RT: 5.72 min Scan# 912
Delta R.T. 0.02 min
Lab File: VL034311.D
Acq: 17 Oct 2019 00:01

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	43	Resp:	107124
Ion	Ratio	Lower	Upper
43	100		
45	9.7	8.3	12.5
61	9.1	7.7	11.5
70	6.5	5.4	8.2



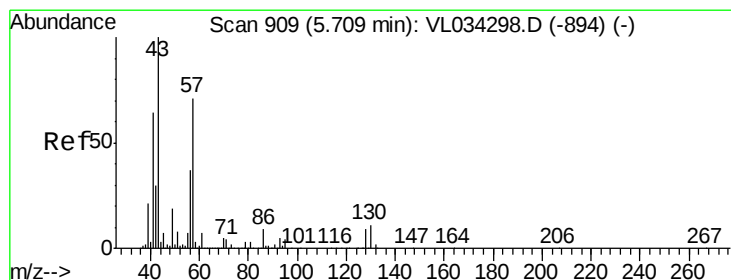
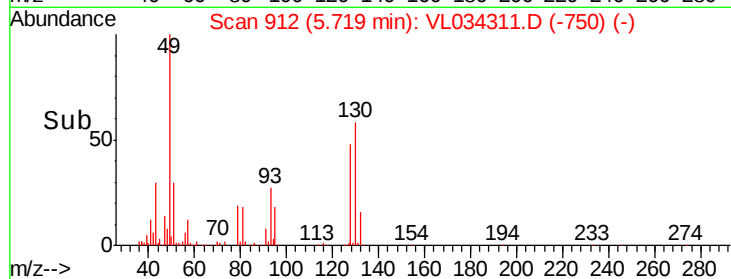
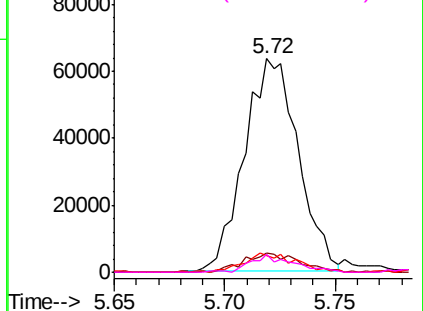
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

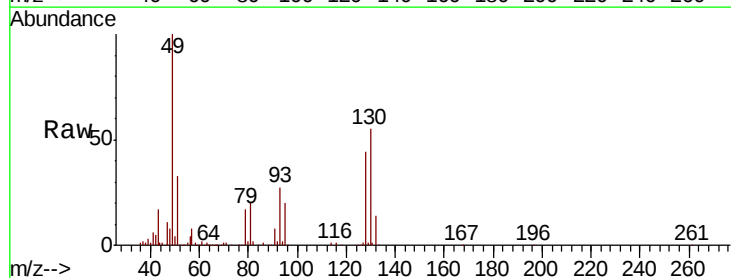
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 0.389 ppbv
RT: 5.72 min Scan# 911
Delta R.T. 0.01 min
Lab File: VL034311.D
Acq: 17 Oct 2019 00:01

Tgt Ion:	57	Resp:	41797
Ion	Ratio	Lower	Upper
57	100		
41	116.4	76.5	114.7#
43	270.5	188.5	282.7
56	59.2	42.8	64.2



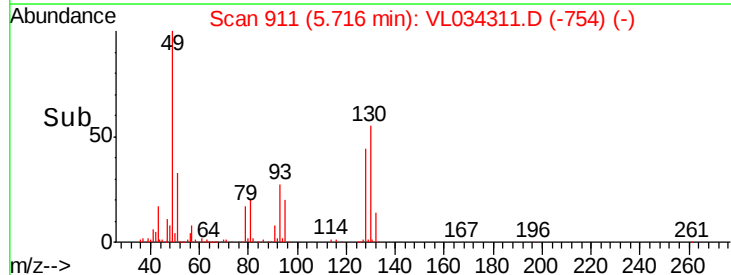
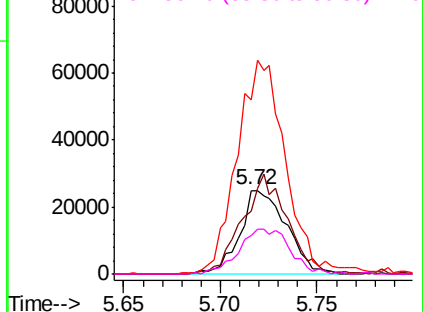
Abundance

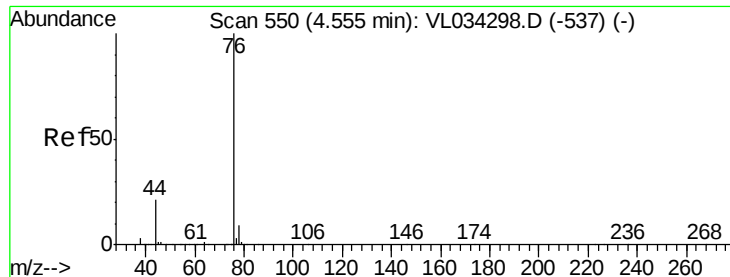
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 0.357 ppbv

RT: 4.57 min Scan# 556

Delta R.T. 0.02 min

Lab File: VL034311.D

Acq: 17 Oct 2019 00:01

Instrument :

MSVOA_L

ClientSampleId :

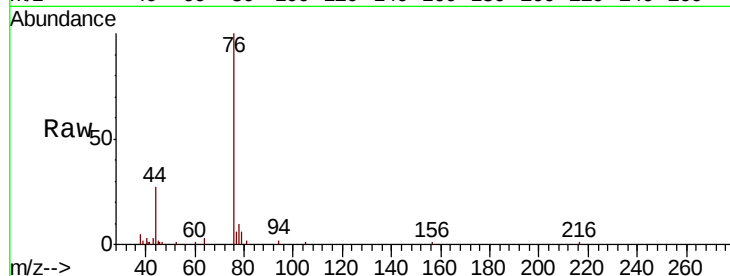
Tot Ion: 76 Resp: 39824

Ion Ratio Lower Upper

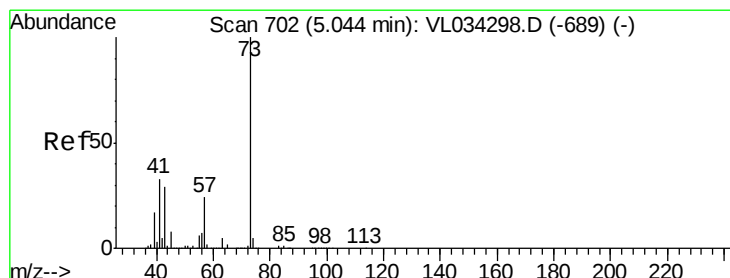
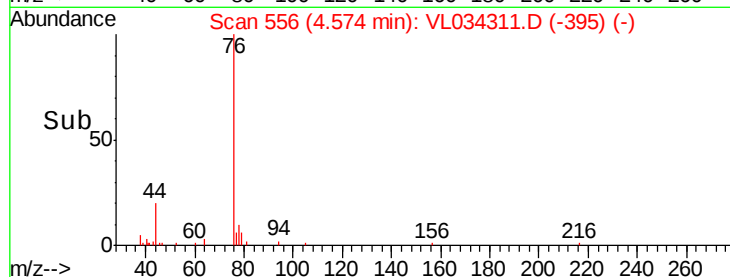
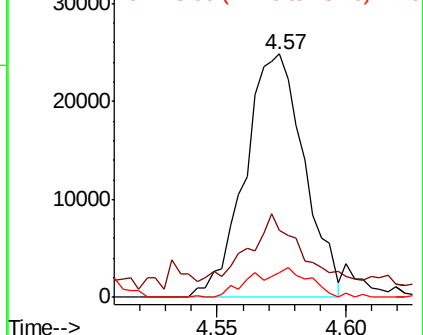
76 100

44 36.0 17.3 25.9#

78 11.9 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: 0.373 ppbv

RT: 5.07 min Scan# 711

Delta R.T. 0.03 min

Lab File: VL034311.D

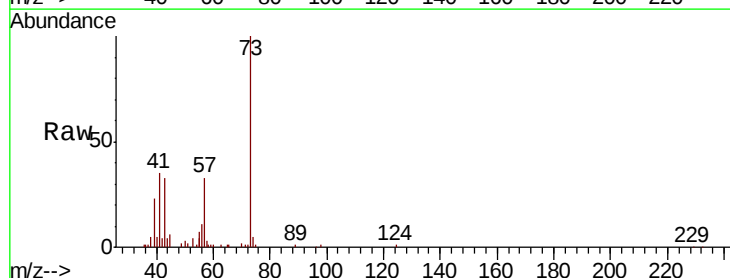
Acq: 17 Oct 2019 00:01

Tgt Ion: 73 Resp: 60672

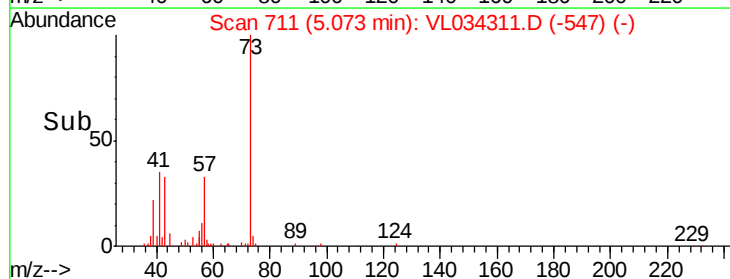
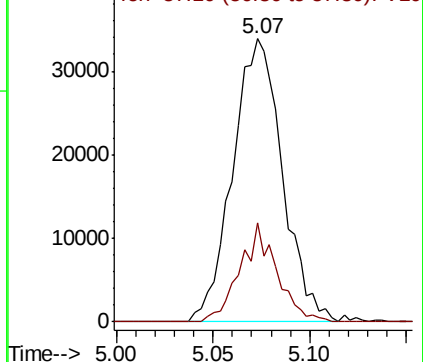
Ion Ratio Lower Upper

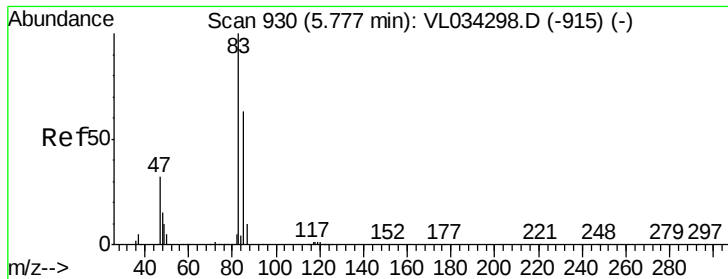
73 100

57 25.8 19.2 28.8



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

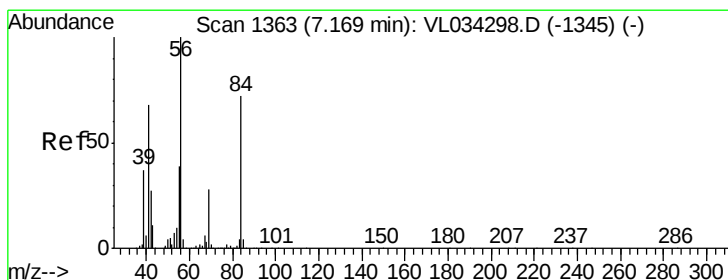
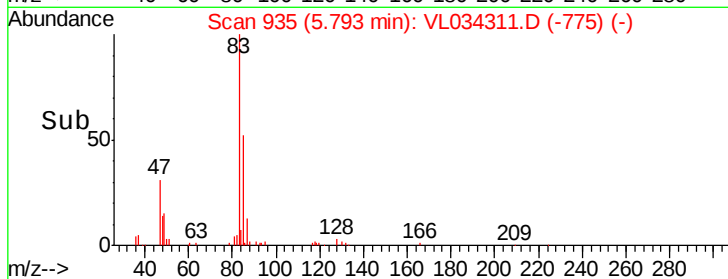
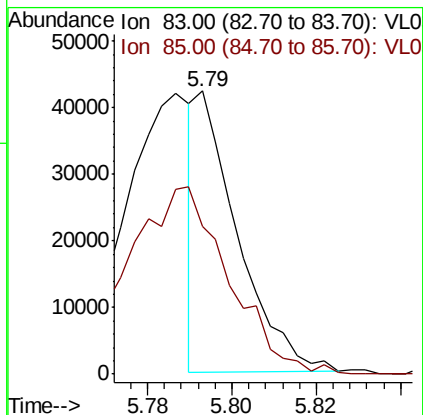
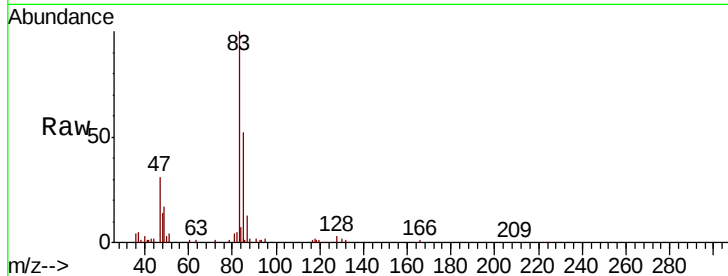




#29
Chloroform
Concen: 0.169 ppbv
RT: 5.79 min Scan# 935
Delta R.T. 0.02 min
Lab File: VL034311.D
Acq: 17 Oct 2019 00:01

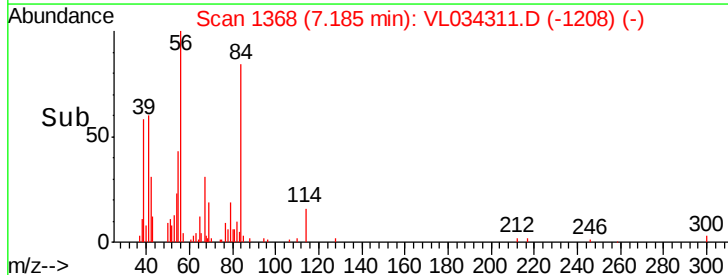
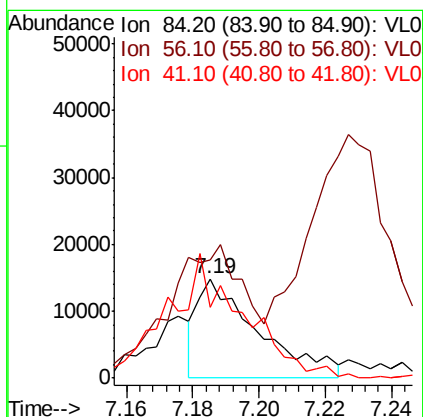
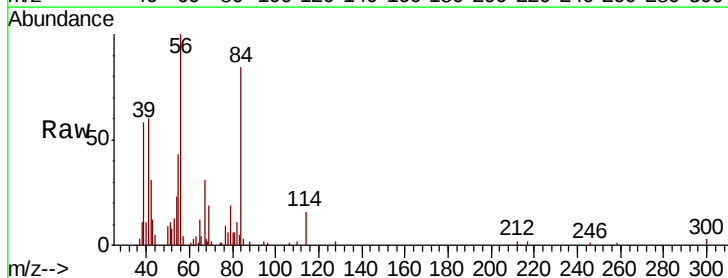
Instrument :
MSVOA_L
ClientSampleId :

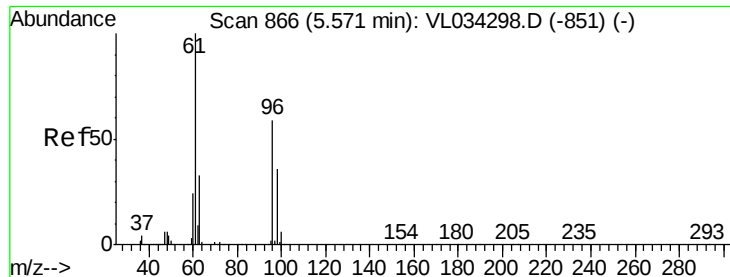
Tot Ion: 83 Resp: 28689
Ion Ratio Lower Upper
83 100
85 52.5 50.5 75.7



#30
Cyclohexane
Concen: 0.237 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. 0.02 min
Lab File: VL034311.D
Acq: 17 Oct 2019 00:01

Tgt Ion: 84 Resp: 18748
Ion Ratio Lower Upper
84 100
56 191.7 119.4 179.0#
41 158.0 78.7 118.1#



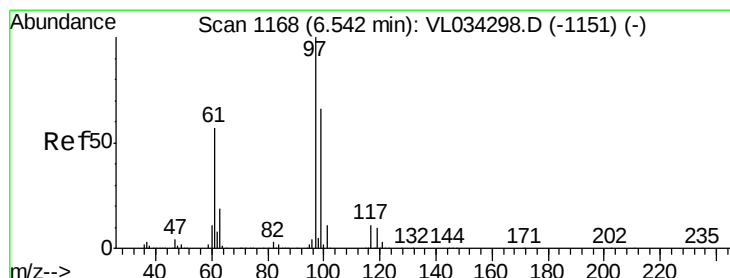
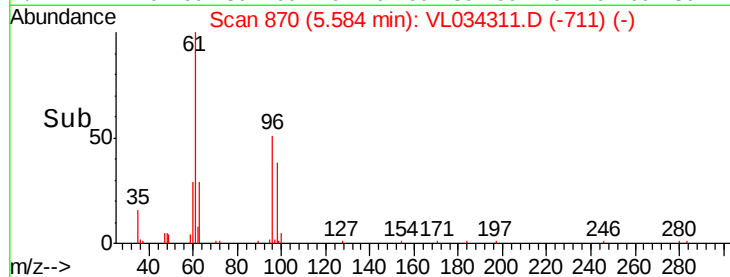
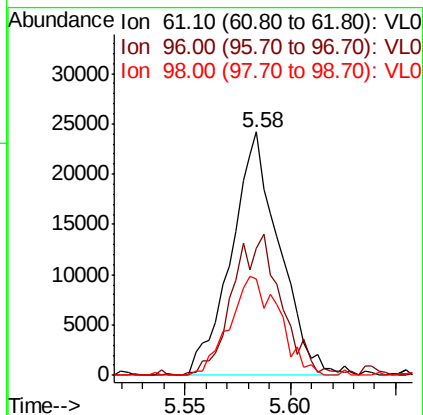
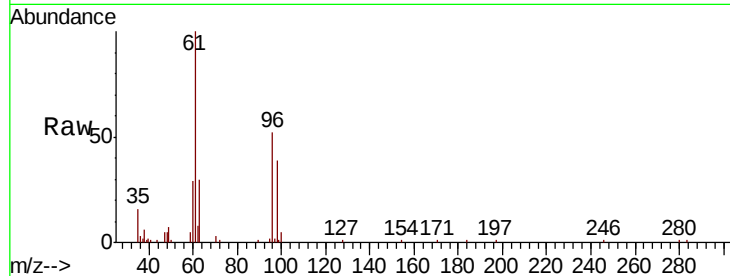


#31

cis-1,2-Dichloroethene
 Concen: 0.349 ppbv
 RT: 5.58 min Scan# 870
 Delta R.T. 0.01 min
 Lab File: VL034311.D
 Acq: 17 Oct 2019 00:01

Instrument :
 MSVOA_L
 ClientSampled :

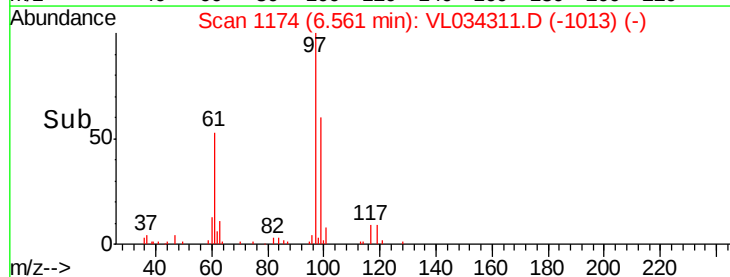
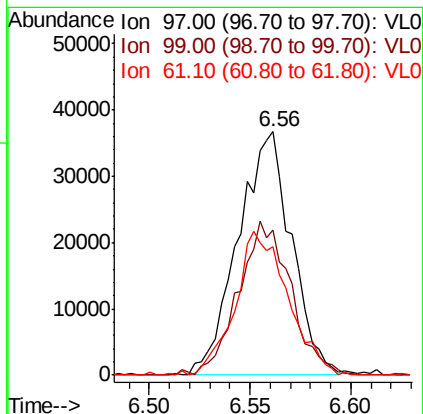
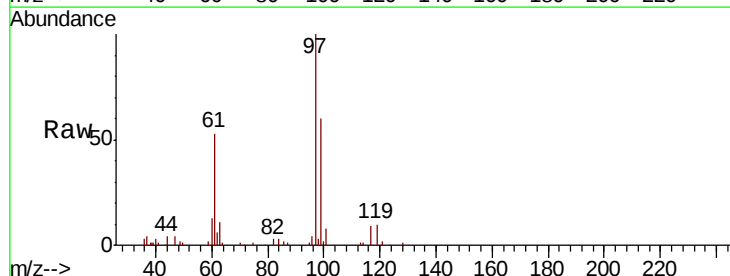
Tot Ion	61	Resp	38107
Ion	Ratio	Lower	Upper
61	100		
96	50.9	47.5	71.3
98	39.5	28.8	43.2

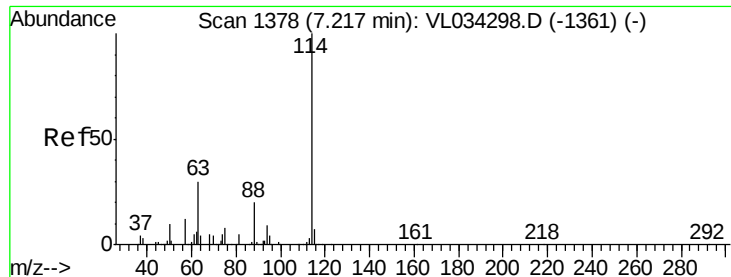


#32

1,1,1-Trichloroethane
 Concen: 0.412 ppbv
 RT: 6.56 min Scan# 1174
 Delta R.T. 0.02 min
 Lab File: VL034311.D
 Acq: 17 Oct 2019 00:01

Tgt Ion	97	Resp	68087
Ion	Ratio	Lower	Upper
97	100		
99	61.8	52.6	78.8
61	58.4	44.5	66.7

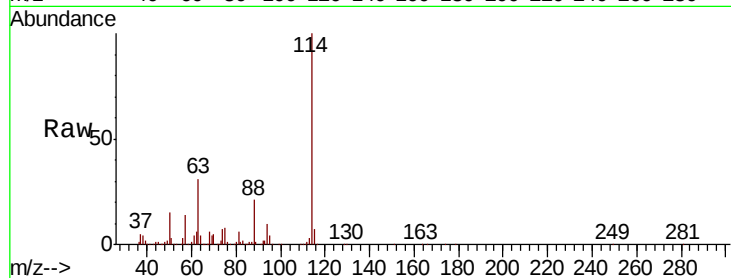




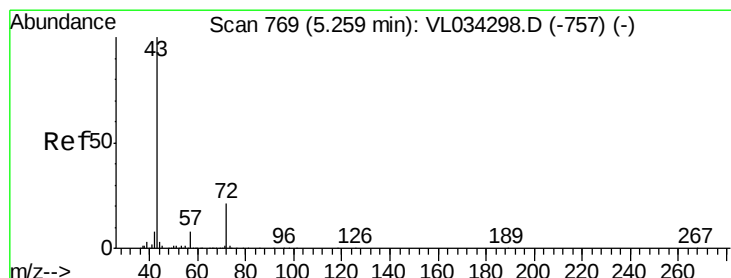
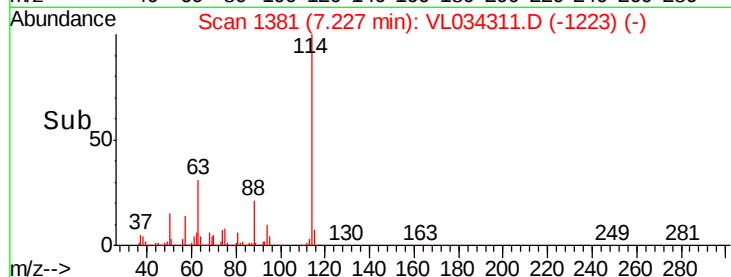
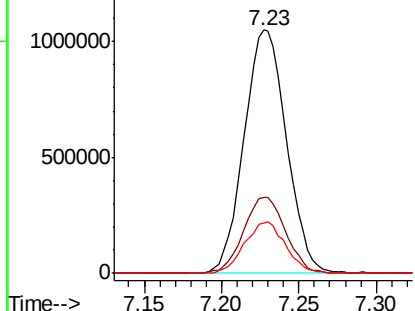
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.23 min Scan# 1381
 Delta R.T. 0.01 min
 Lab File: VL034311.D
 Acq: 17 Oct 2019 00:01

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 2001991
 Ion Ratio Lower Upper
 114 100
 63 31.3 25.2 37.8
 88 20.5 16.0 24.0

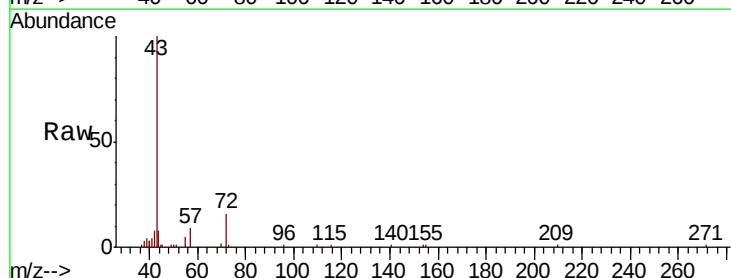


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

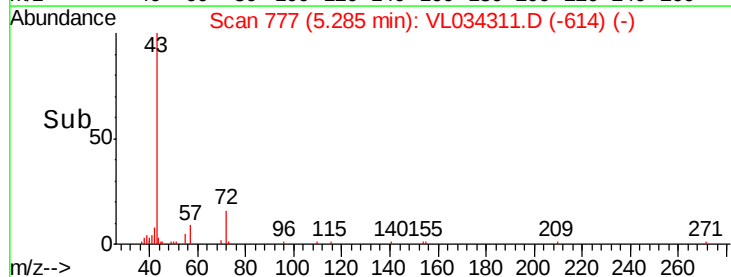
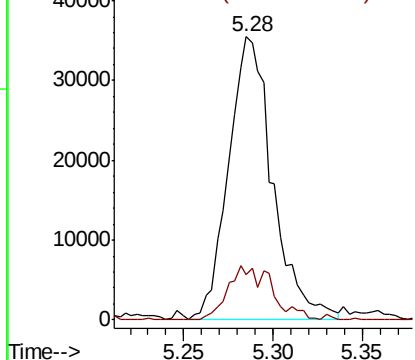


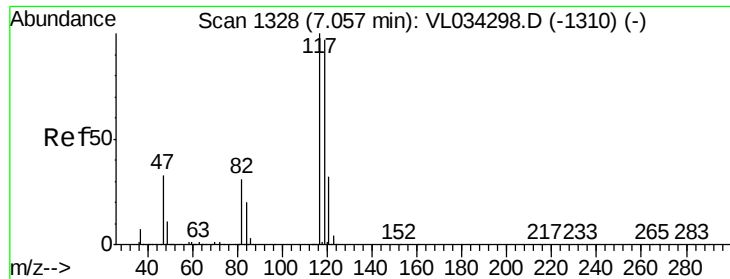
#34
 2-Butanone
 Concen: 0.374 ppbv
 RT: 5.28 min Scan# 777
 Delta R.T. 0.03 min
 Lab File: VL034311.D
 Acq: 17 Oct 2019 00:01

Tgt Ion: 43 Resp: 61155
 Ion Ratio Lower Upper
 43 100
 72 19.5 16.3 24.5



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

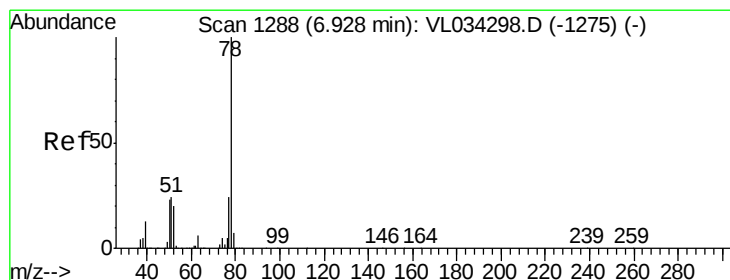
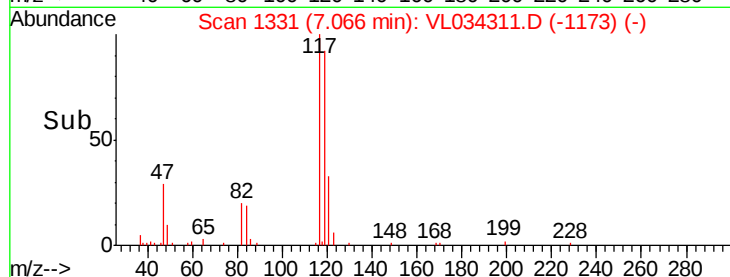
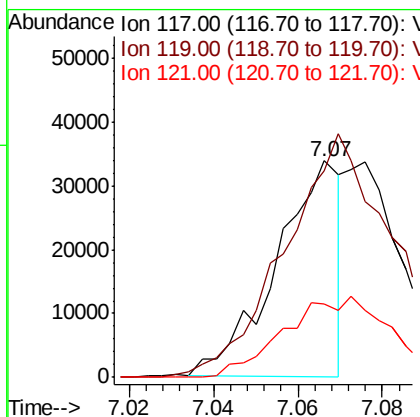
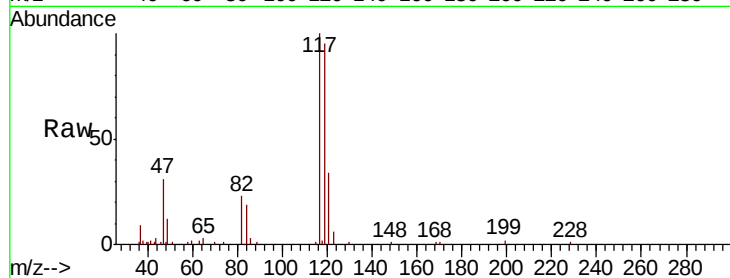




#35
Carbon Tetrachloride
Concen: 0.205 ppbv
RT: 7.07 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VL034311.D
Acq: 17 Oct 2019 00:01

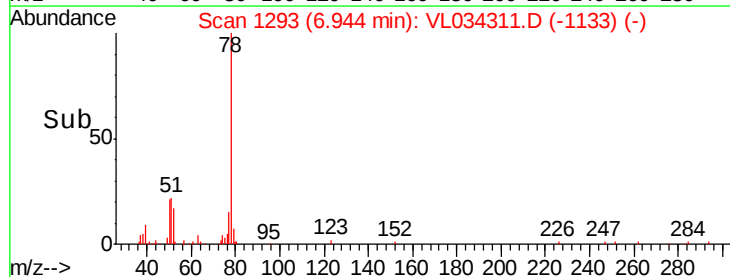
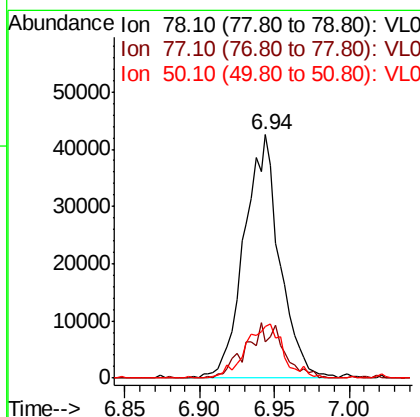
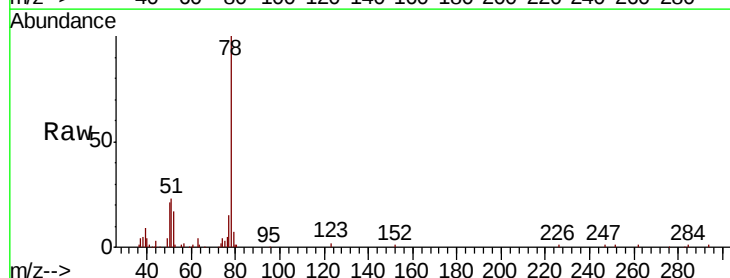
Instrument :
MSVOA_L
ClientSampleId :

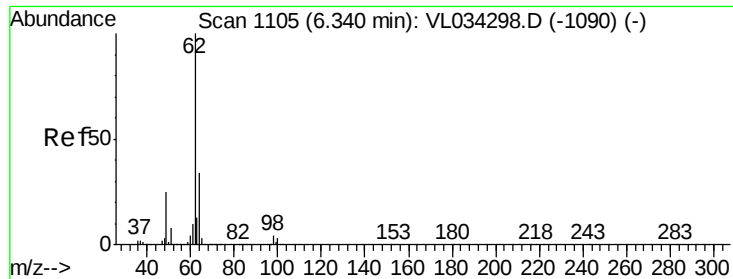
Tot Ion	117	Resp	35814
Ion Ratio	Lower	Upper	
117	100		
119	92.8	77.3	115.9
121	33.9	25.5	38.3



#36
Benzene
Concen: 0.366 ppbv
RT: 6.94 min Scan# 1293
Delta R.T. 0.02 min
Lab File: VL034311.D
Acq: 17 Oct 2019 00:01

Tgt Ion	78	Resp	70389
Ion Ratio	Lower	Upper	
78	100		
77	14.8	19.0	28.4#
50	21.4	18.6	27.8





#37

1,2-Dichloroethane

Concen: 0.435 ppbv

RT: 6.35 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VL034311.D

Acq: 17 Oct 2019 00:01

Instrument :

MSVOA_L

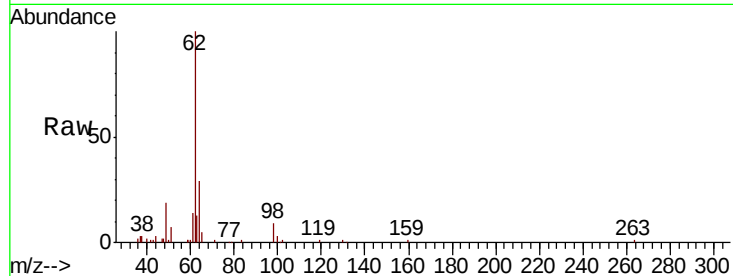
ClientSampleId :

Tot Ion: 62 Resp: 62333

Ion Ratio Lower Upper

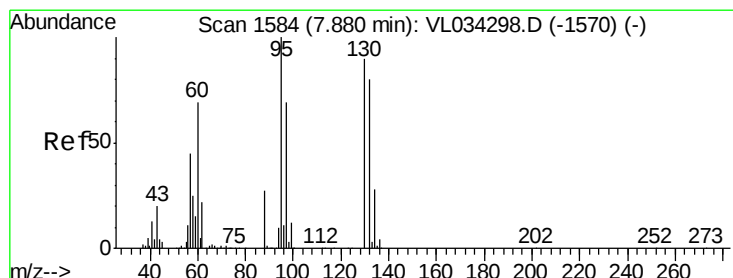
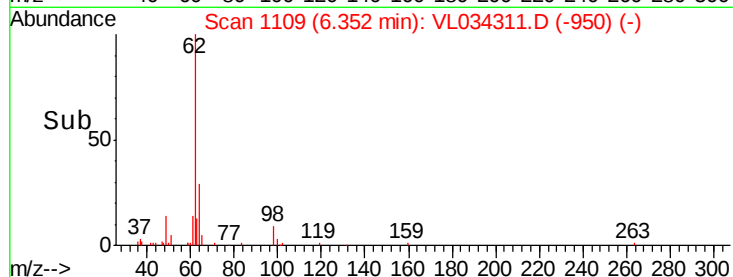
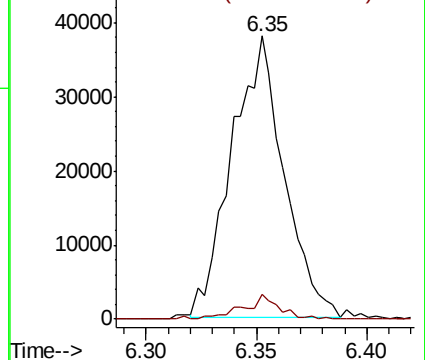
62 100

98 6.1 3.8 5.6#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 0.213 ppbv

RT: 7.90 min Scan# 1589

Delta R.T. 0.02 min

Lab File: VL034311.D

Acq: 17 Oct 2019 00:01

Tgt Ion:130 Resp: 16431

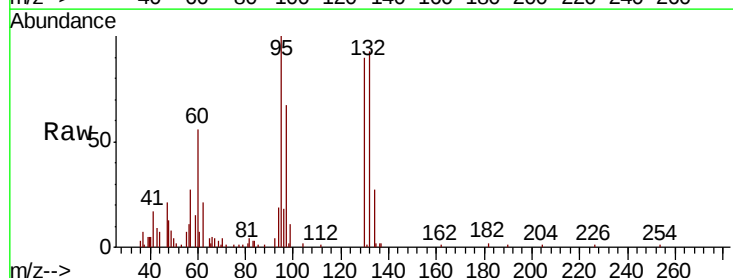
Ion Ratio Lower Upper

130 100

95 89.2 88.6 132.8

132 89.1 71.2 106.8

97 63.6 61.0 91.4

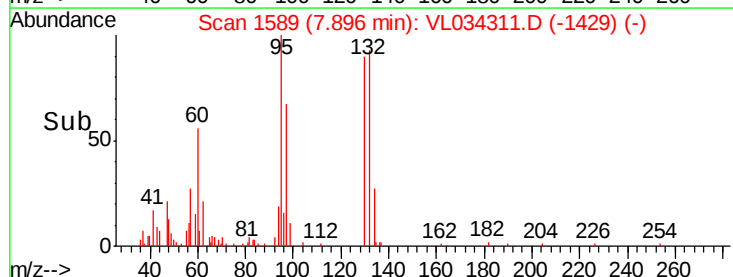
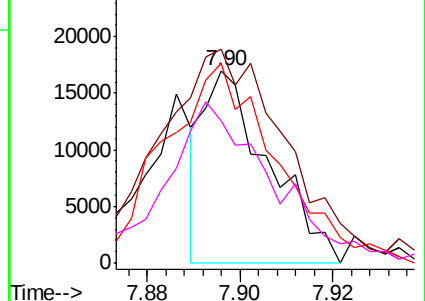


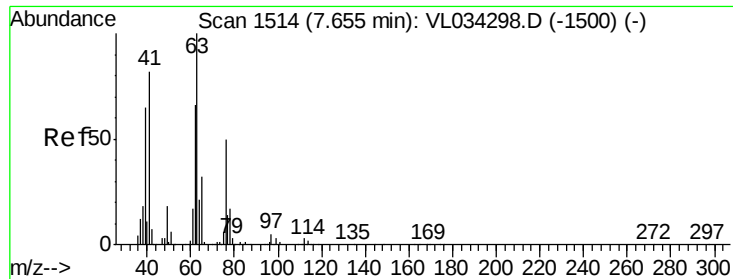
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

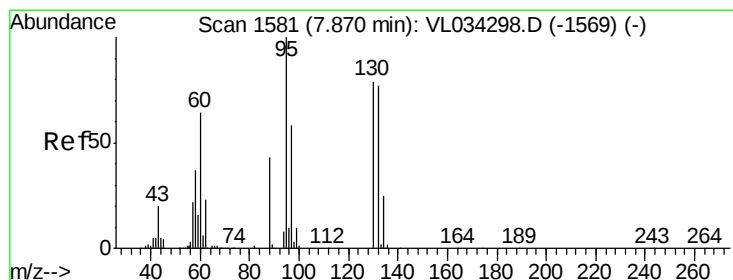
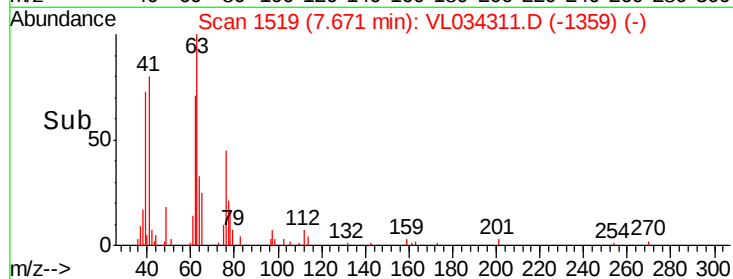
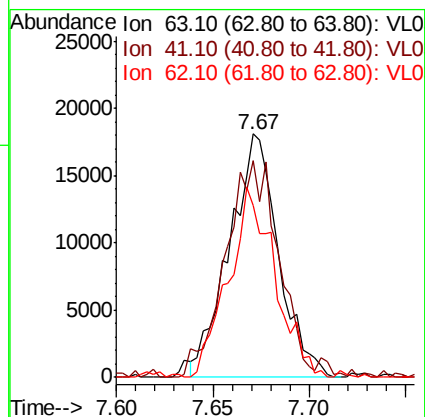
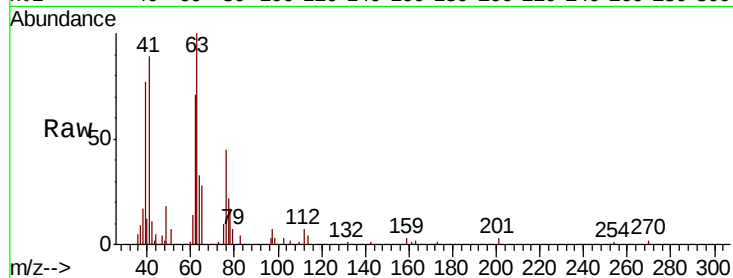




#39
 1,2-Dichloropropane
 Concen: 0.386 ppbv
 RT: 7.67 min Scan# 1519
 Delta R.T. 0.02 min
 Lab File: VL034311.D
 Acq: 17 Oct 2019 00:01

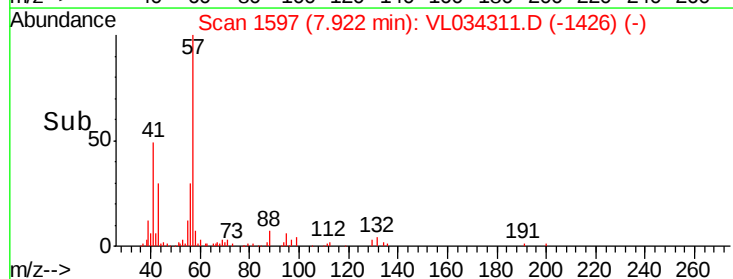
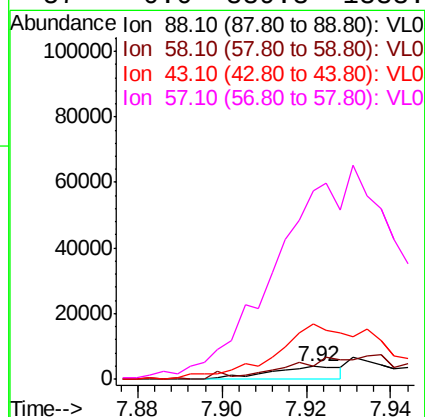
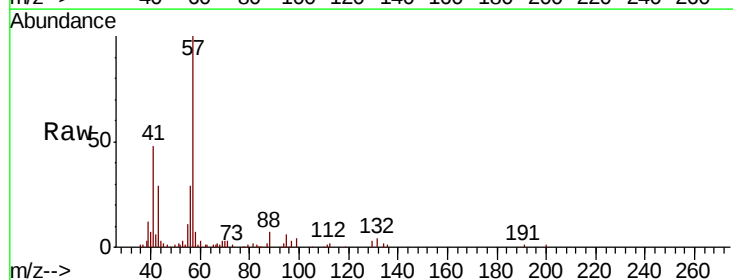
Instrument :
 MSVOA_L
 ClientSampleId :

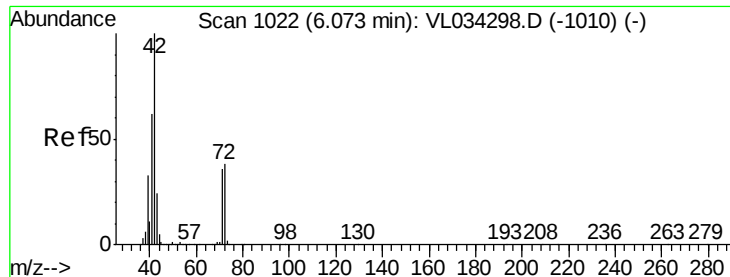
Tot Ion: 63 Resp: 31886
 Ion Ratio Lower Upper
 63 100
 41 87.0 65.6 98.4
 62 68.2 53.0 79.6



#40
 1,4-Dioxane
 Concen: 0.149 ppbv
 RT: 7.92 min Scan# 1597
 Delta R.T. 0.05 min
 Lab File: VL034311.D
 Acq: 17 Oct 2019 00:01

Tgt Ion: 88 Resp: 4326
 Ion Ratio Lower Upper
 88 100
 58 0.0 110.3 165.5#
 43 788.6 228.1 342.1#
 57 0.0 889.3 1333.9#

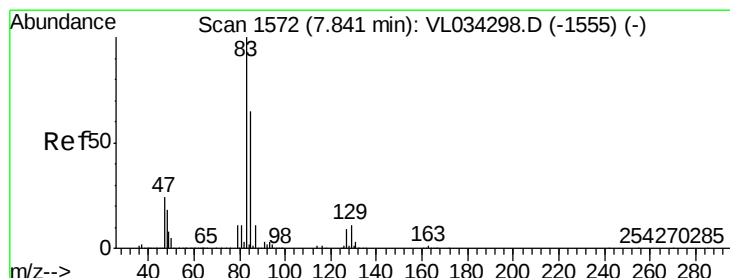
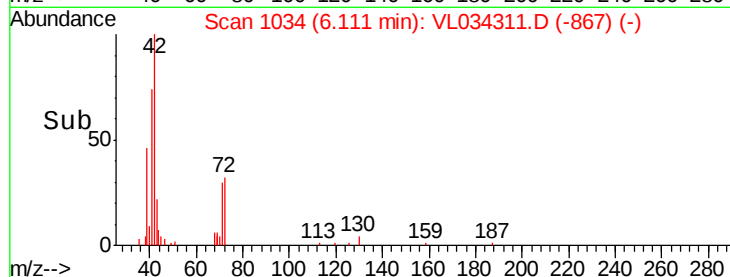
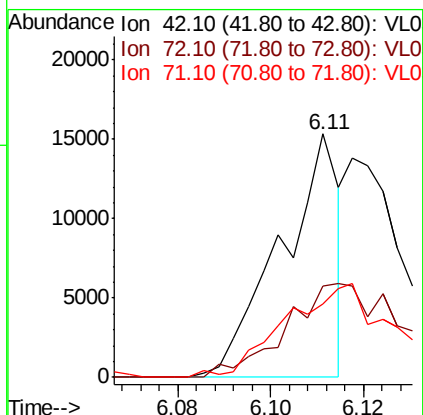
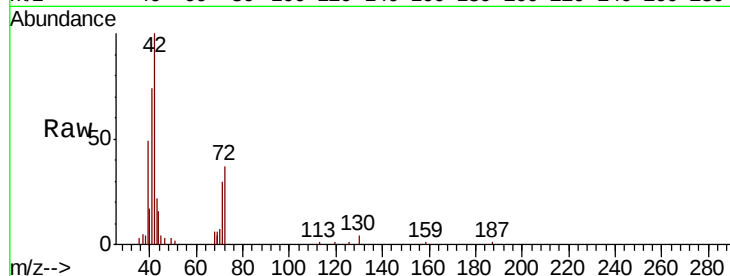




#41
Tetrahydrofuran
Concen: 0.147 ppbv
RT: 6.11 min Scan# 1034
Delta R.T. 0.04 min
Lab File: VL034311.D
Acq: 17 Oct 2019 00:01

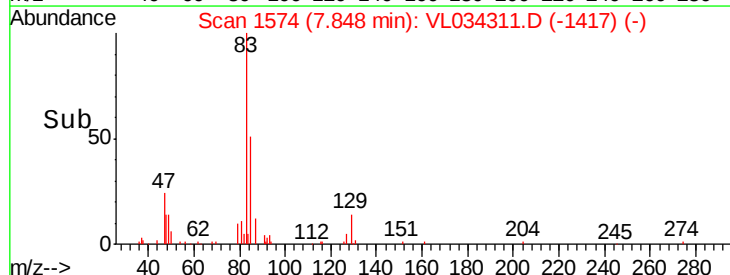
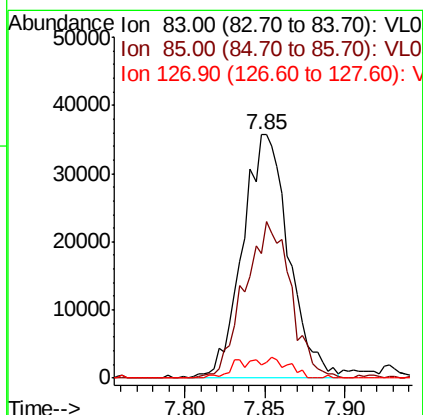
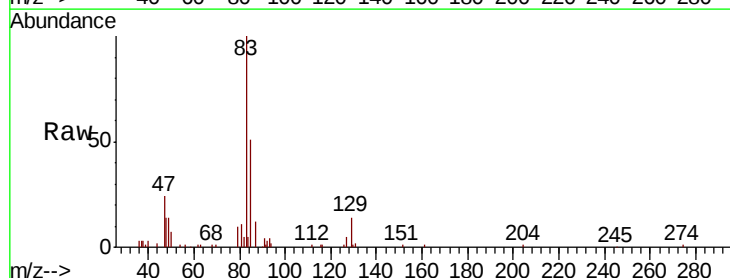
Instrument :
MSVOA_L
ClientSampleId :

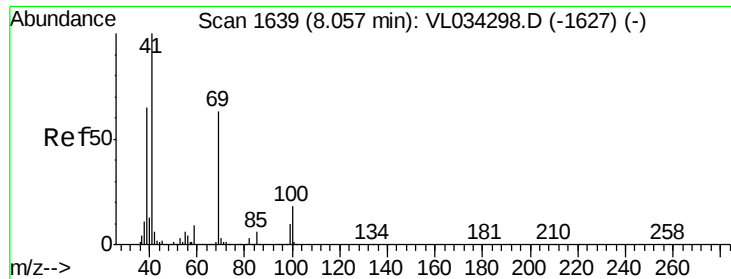
Tot Ion: 42 Resp: 13381
Ion Ratio Lower Upper
42 100
72 0.0 28.0 42.0#
71 0.0 27.3 40.9#



#42
Bromodichloromethane
Concen: 0.399 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. 0.01 min
Lab File: VL034311.D
Acq: 17 Oct 2019 00:01

Tgt Ion: 83 Resp: 69947
Ion Ratio Lower Upper
83 100
85 51.2 51.8 77.6#
127 5.3 7.0 10.6#

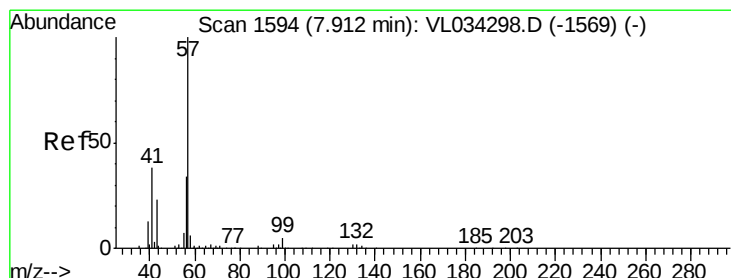
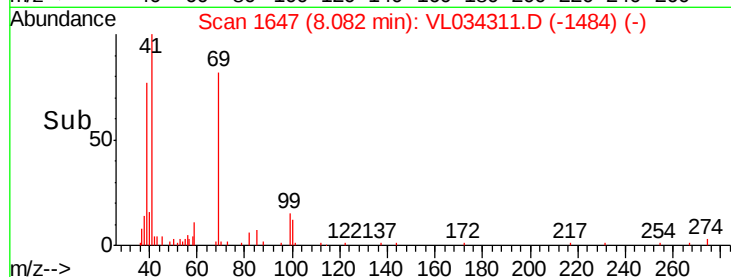
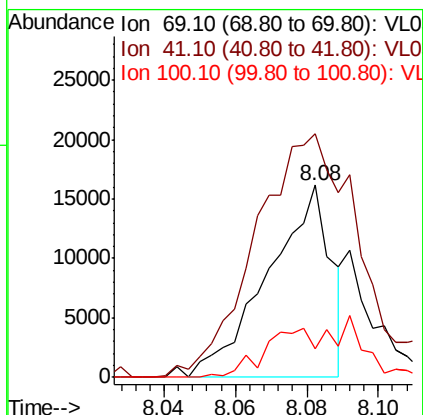
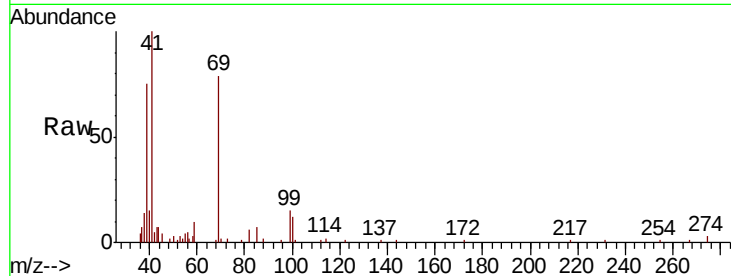




#43
Methvl Methacrvlate
Concen: 0.247 ppbv
RT: 8.08 min Scan# 1647
Delta R.T. 0.03 min
Lab File: VL034311.D
Acq: 17 Oct 2019 00:01

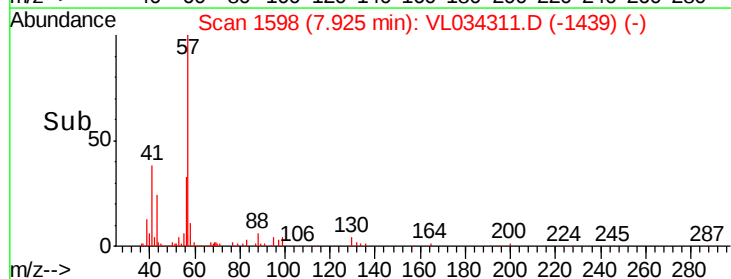
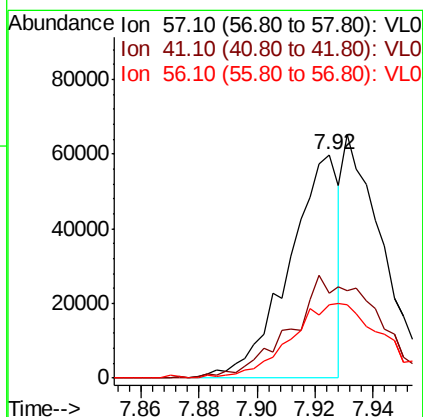
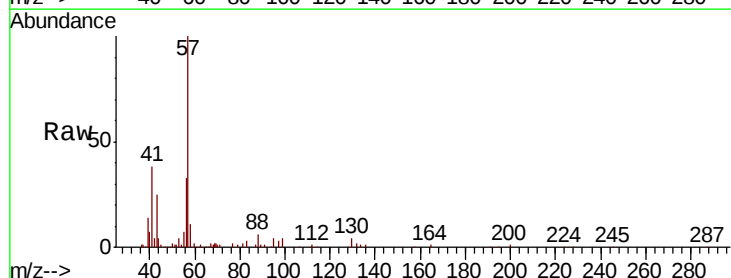
Instrument :
MSVOA_L
ClientSampleId :

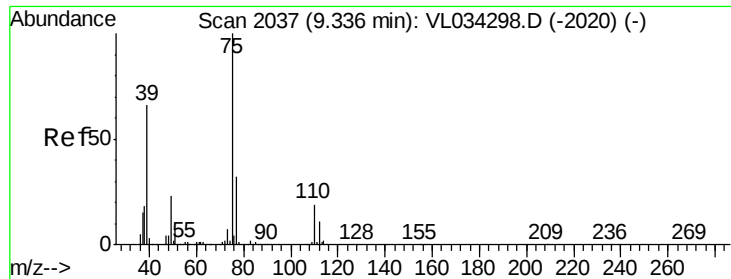
Tot Ion: 69 Resp: 19655
Ion Ratio Lower Upper
69 100
41 214.4 132.1 198.1#
100 0.0 23.2 34.8#



#44
2,2,4-Trimethylpentane
Concen: 0.200 ppbv
RT: 7.92 min Scan# 1598
Delta R.T. 0.01 min
Lab File: VL034311.D
Acq: 17 Oct 2019 00:01

Tgt Ion: 57 Resp: 71146
Ion Ratio Lower Upper
57 100
41 82.8 29.3 43.9#
56 0.0 25.3 37.9#





#45

t-1,3-Dichloropropene

Concen: 0.184 ppbv

RT: 9.35 min Scan# 2041

Delta R.T. 0.01 min

Lab File: VL034311.D

Acq: 17 Oct 2019 00:01

Instrument :

MSVOA_L

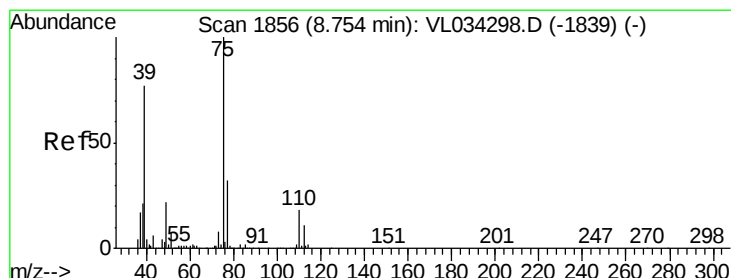
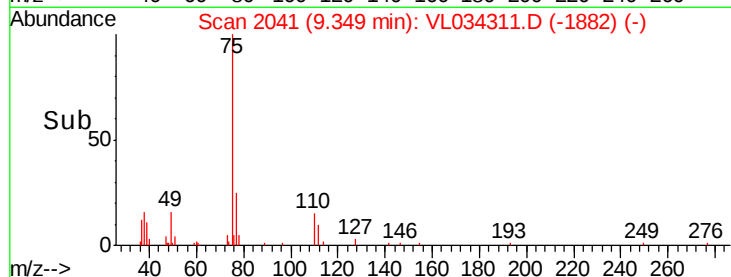
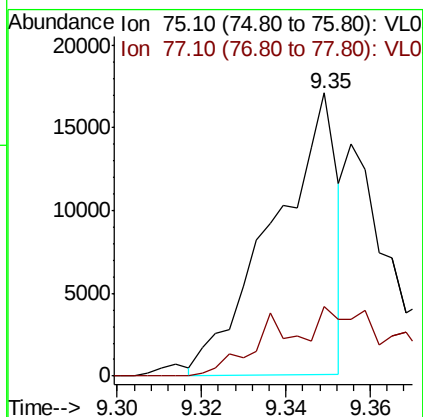
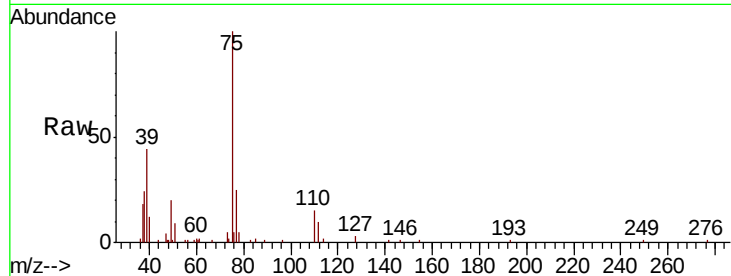
ClientSampleId :

Tot Ion: 75 Resp: 17825

Ion Ratio Lower Upper

75 100

77 24.7 25.6 38.4#



#46

cis-1,3-Dichloropropene

Concen: 0.140 ppbv

RT: 8.76 min Scan# 1859

Delta R.T. 0.01 min

Lab File: VL034311.D

Acq: 17 Oct 2019 00:01

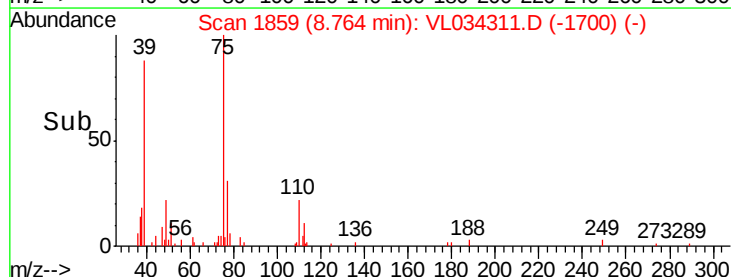
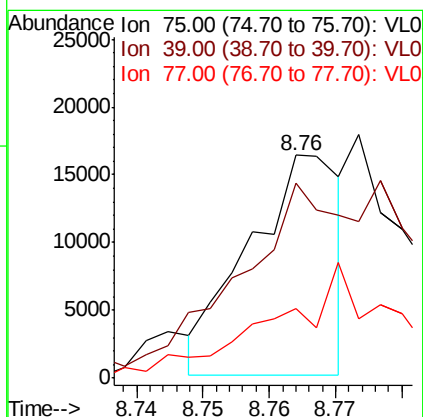
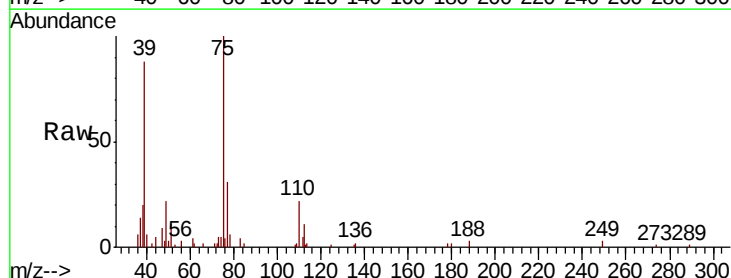
Tgt Ion: 75 Resp: 15616

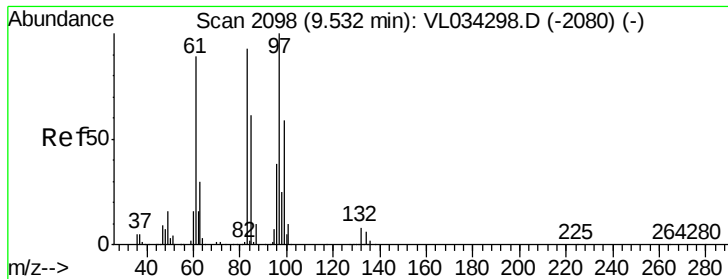
Ion Ratio Lower Upper

75 100

39 71.8 61.2 91.8

77 27.2 25.9 38.9





#47

1,1,2-Trichloroethane

Concen: 0.401 ppbv

RT: 9.55 min Scan# 2102

Delta R.T. 0.01 min

Lab File: VL034311.D

Acq: 17 Oct 2019 00:01

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 97 Resp: 33575

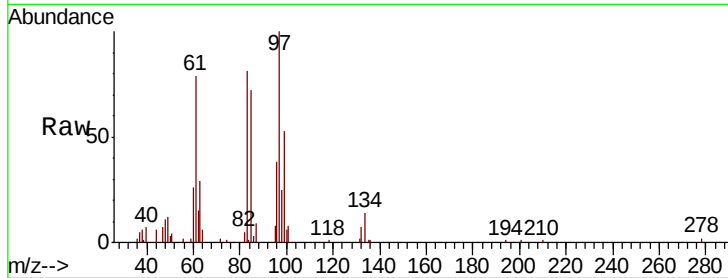
Ion Ratio Lower Upper

97 100

83 79.7 74.2 111.2

85 71.8 48.6 73.0

99 51.9 47.0 70.6

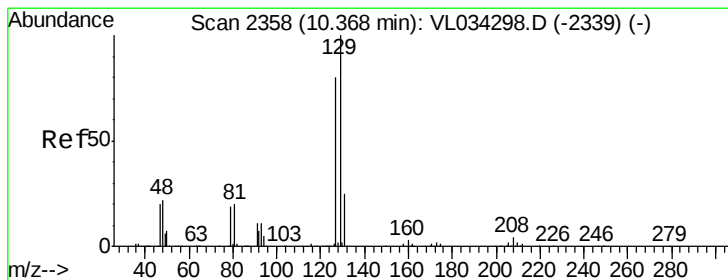
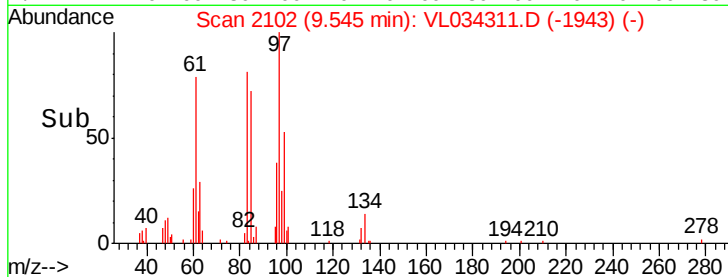
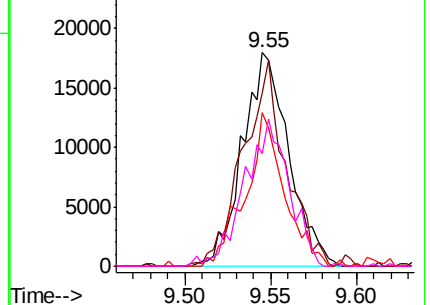


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 0.046 ppbv

RT: 10.38 min Scan# 2362

Delta R.T. 0.01 min

Lab File: VL034311.D

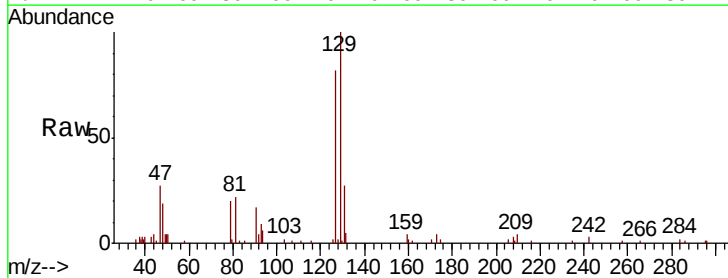
Acq: 17 Oct 2019 00:01

Tgt Ion: 129 Resp: 6292

Ion Ratio Lower Upper

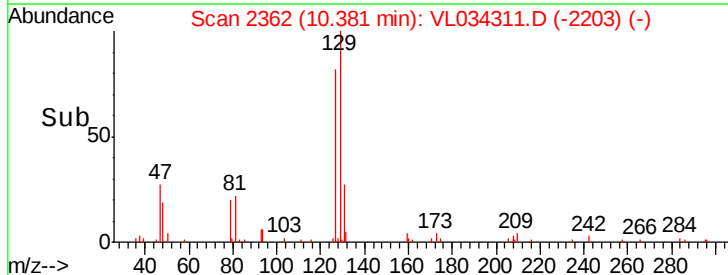
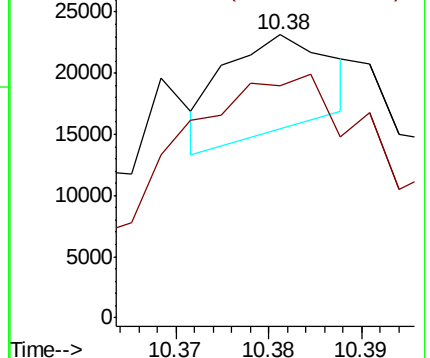
129 100

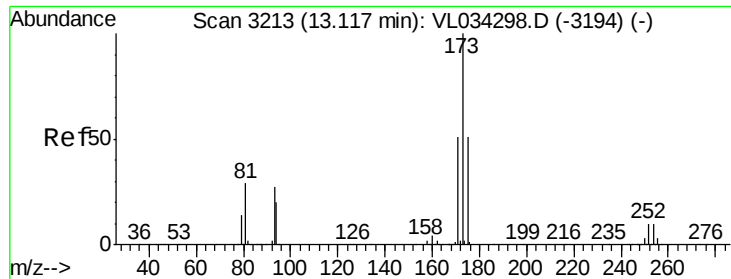
127 644.5 39.7 119.1#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 0.072 ppbv

RT: 13.13 min Scan# 3218

Delta R.T. 0.02 min

Lab File: VL034311.D

Acq: 17 Oct 2019 00:01

Instrument :

MSVOA_L

ClientSampleId :

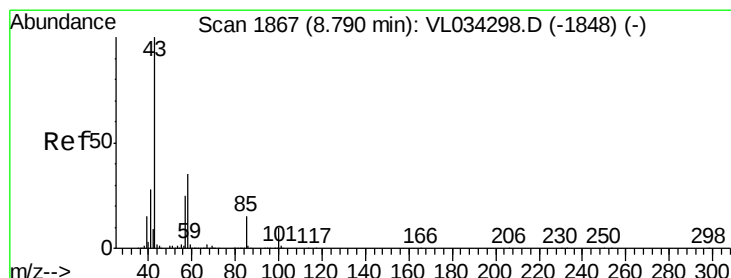
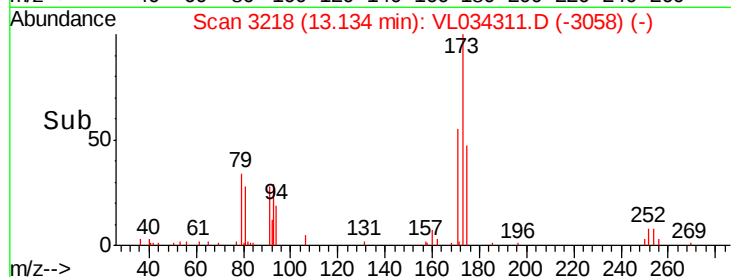
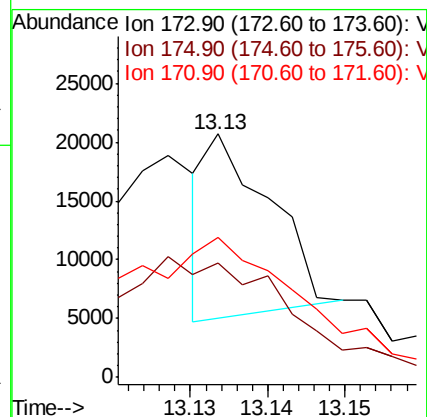
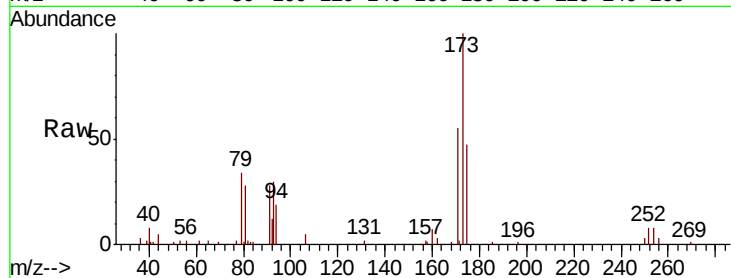
Tot Ion:173 Resp: 8774

Ion Ratio Lower Upper

173 100

175 0.0 39.8 59.6#

171 270.4 41.8 62.6#



#50

4-Methyl-2-Pentanone

Concen: 0.329 ppbv

RT: 8.83 min Scan# 1878

Delta R.T. 0.04 min

Lab File: VL034311.D

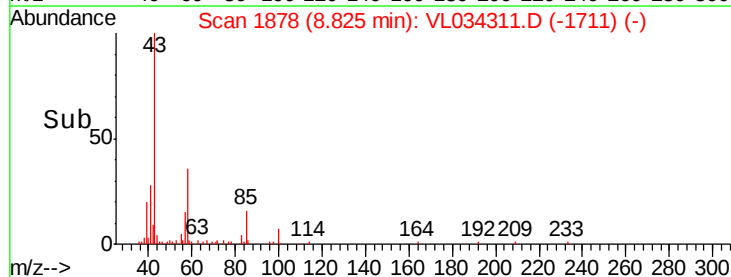
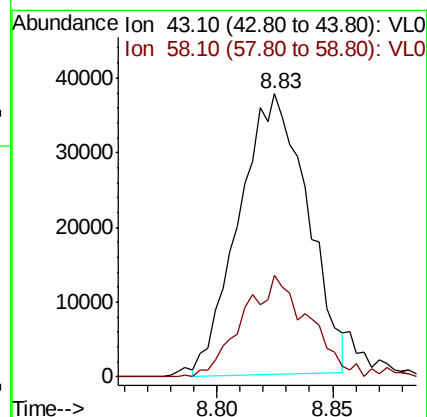
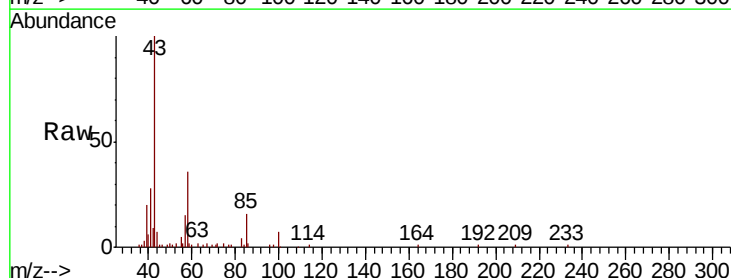
Acq: 17 Oct 2019 00:01

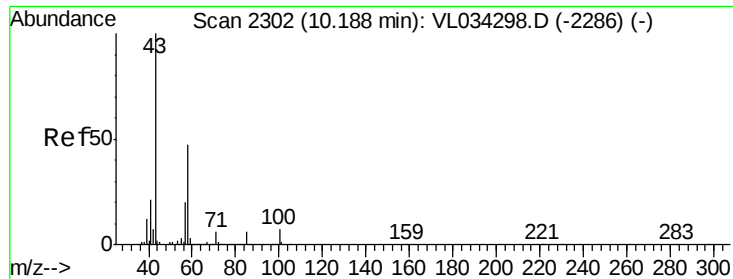
Tgt Ion: 43 Resp: 77055

Ion Ratio Lower Upper

43 100

58 36.8 27.6 41.4

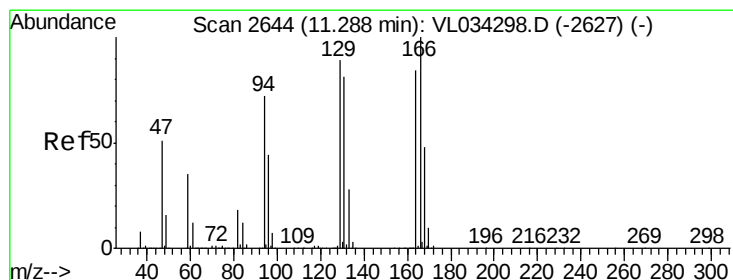
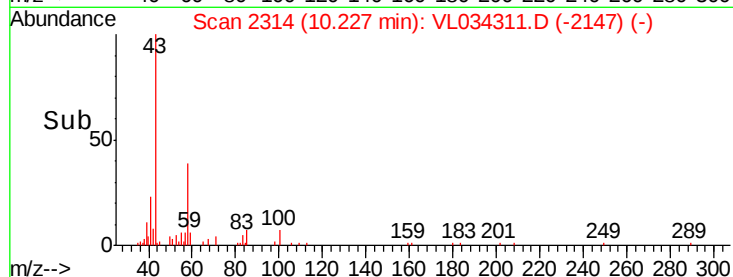
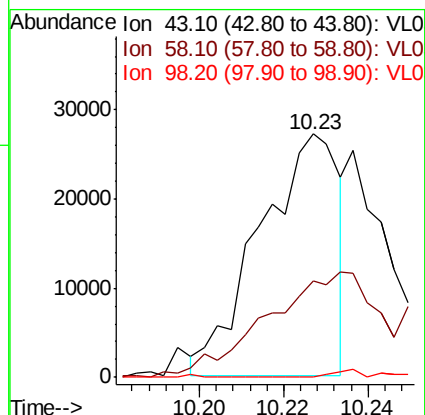
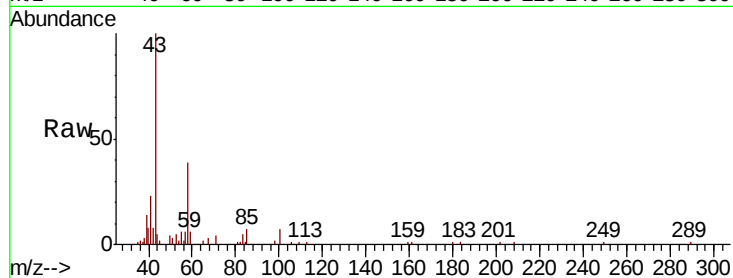




#51
2-Hexanone
Concen: 0.184 ppbv
RT: 10.23 min Scan# 2314
Delta R.T. 0.04 min
Lab File: VL034311.D
Acq: 17 Oct 2019 00:01

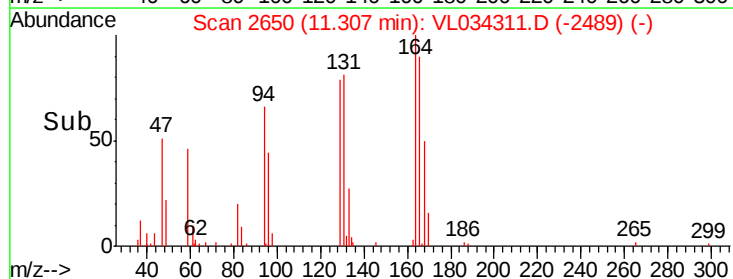
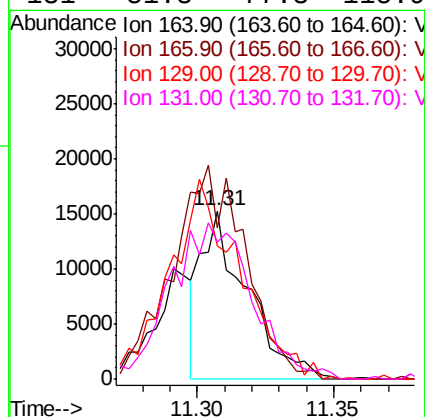
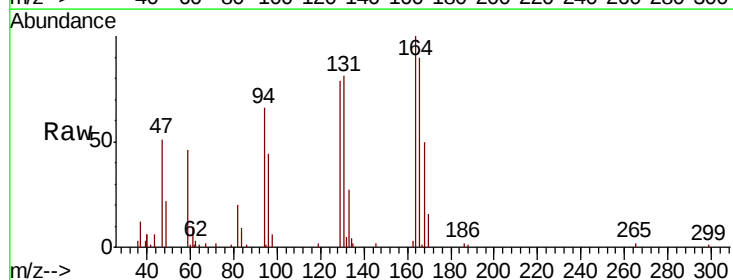
Instrument :
MSVOA_L
ClientSampleId :

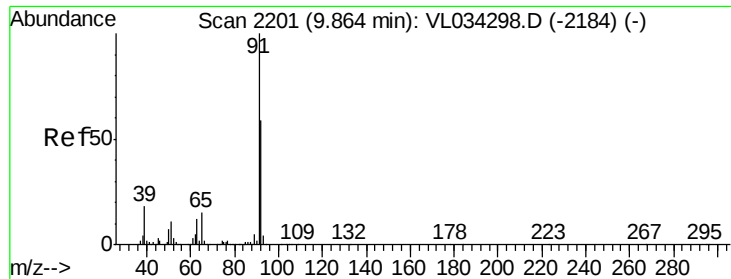
Tot Ion: 43 Resp: 35270
Ion Ratio Lower Upper
43 100
58 0.0 37.0 55.6#
98 0.0 0.2 0.2#



#52
Tetrachloroethene
Concen: 0.236 ppbv
RT: 11.31 min Scan# 2650
Delta R.T. 0.02 min
Lab File: VL034311.D
Acq: 17 Oct 2019 00:01

Tgt Ion: 164 Resp: 17803
Ion Ratio Lower Upper
164 100
166 89.6 95.3 142.9#
129 79.4 84.5 126.7#
131 81.3 77.3 115.9





#53

Toluene

Concen: 0.181 ppbv

RT: 9.88 min Scan# 2205

Delta R.T. 0.01 min

Lab File: VL034311.D

Acq: 17 Oct 2019 00:01

Instrument :

MSVOA_L

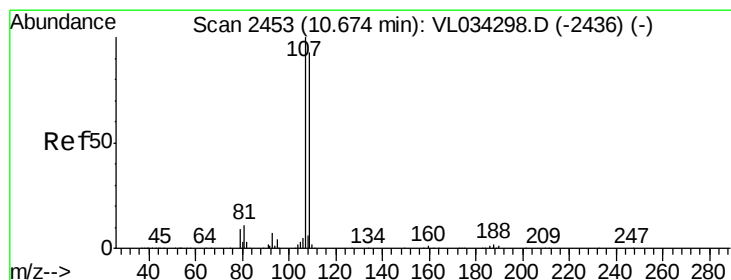
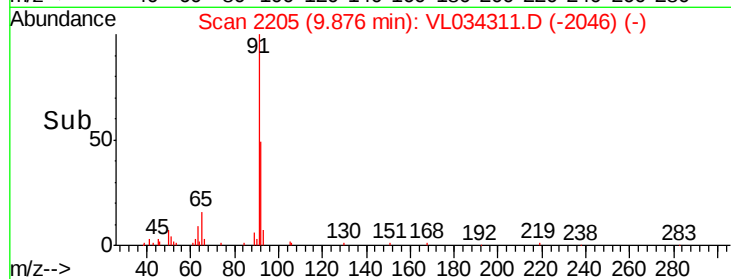
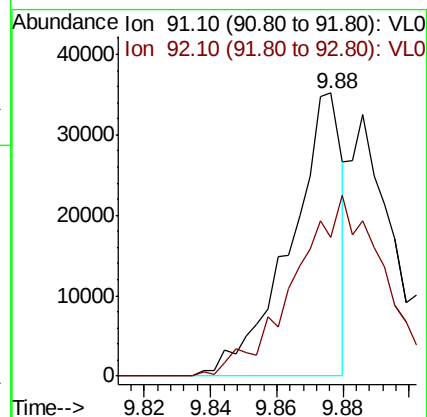
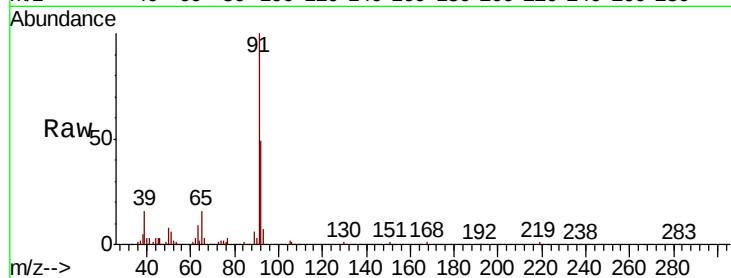
ClientSampleId :

Tot Ion: 91 Resp: 38281

Ion Ratio Lower Upper

91 100

92 111.6 48.4 72.6#



#54

1,2-Dibromoethane

Concen: 0.341 ppbv

RT: 10.69 min Scan# 2457

Delta R.T. 0.01 min

Lab File: VL034311.D

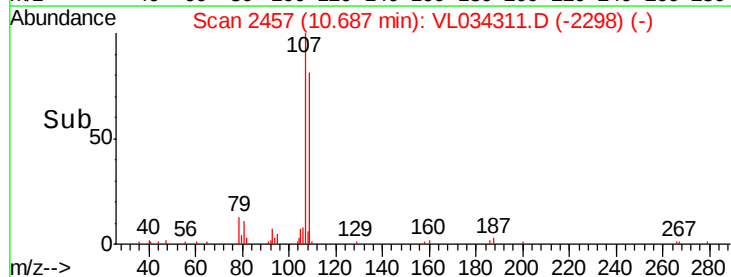
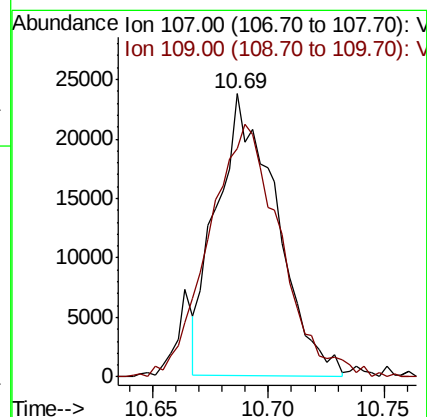
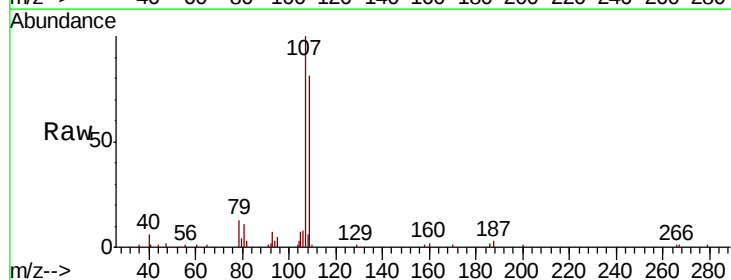
Acq: 17 Oct 2019 00:01

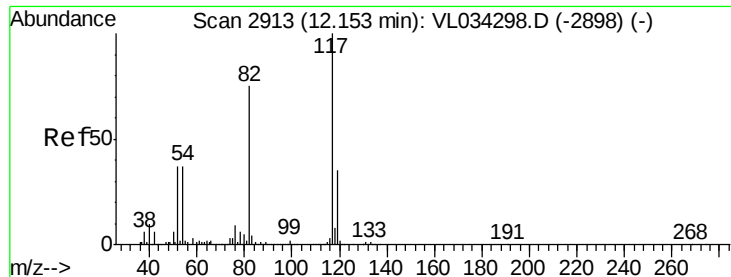
Tgt Ion: 107 Resp: 42381

Ion Ratio Lower Upper

107 100

109 74.8 74.6 112.0

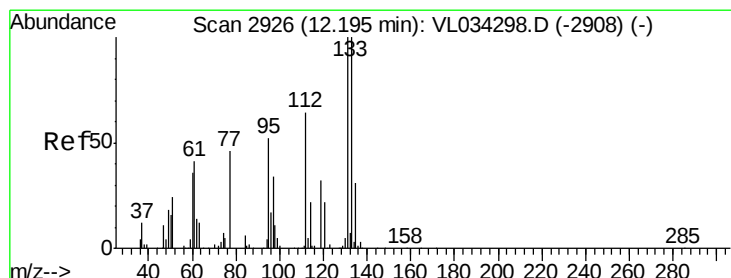
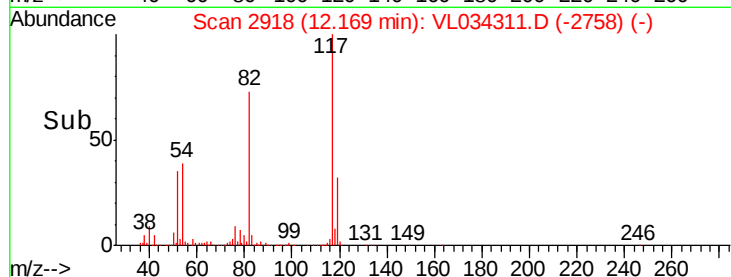
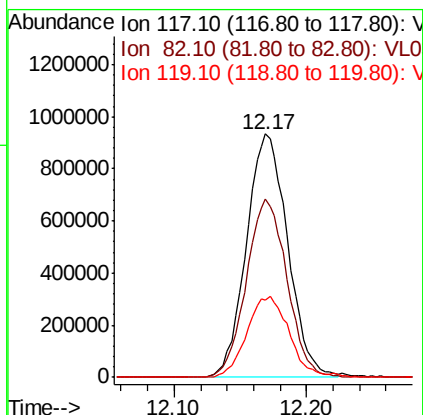
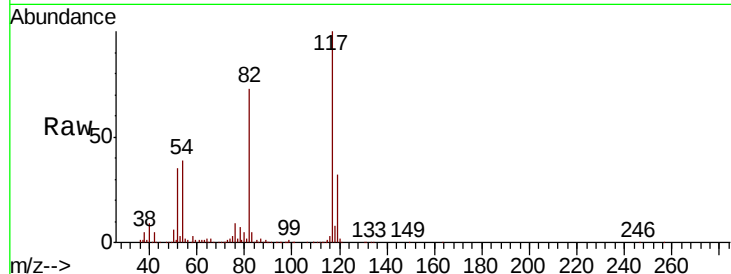




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. 0.02 min
Lab File: VL034311.D
Acq: 17 Oct 2019 00:01

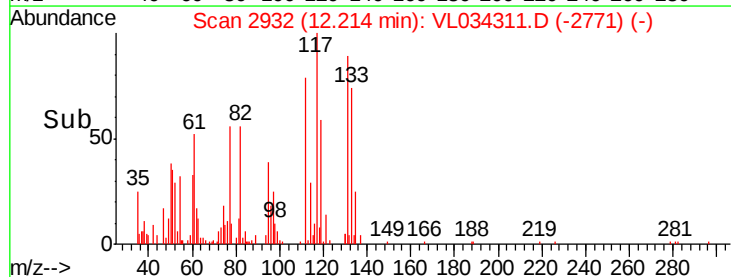
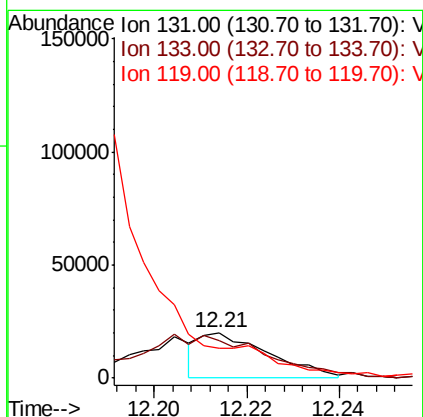
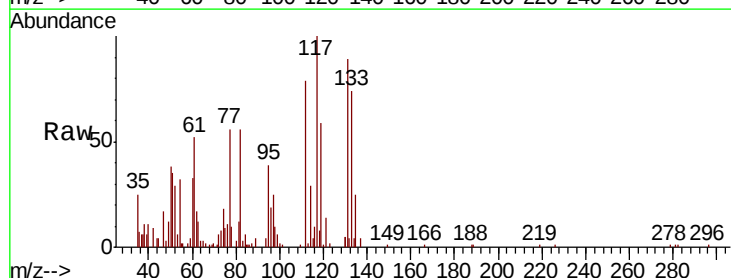
Instrument :
MSVOA_L
ClientSampleId :

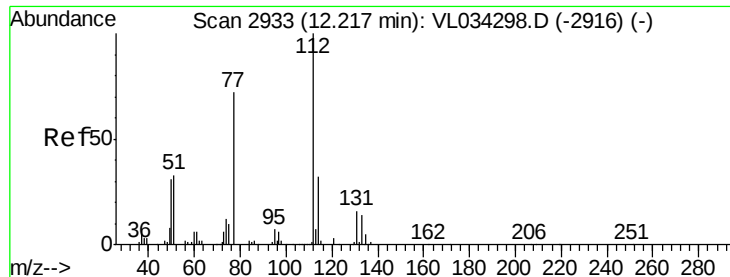
Tot Ion:117 Resp: 2019623
Ion Ratio Lower Upper
117 100
82 72.3 55.5 83.3
119 34.4 26.5 39.7



#56
1,1,1,2-Tetrachloroethane
Concen: 0.224 ppbv
RT: 12.21 min Scan# 2932
Delta R.T. 0.02 min
Lab File: VL034311.D
Acq: 17 Oct 2019 00:01

Tgt Ion:131 Resp: 20867
Ion Ratio Lower Upper
131 100
133 0.0 77.1 115.7#
119 0.0 49.0 73.4#

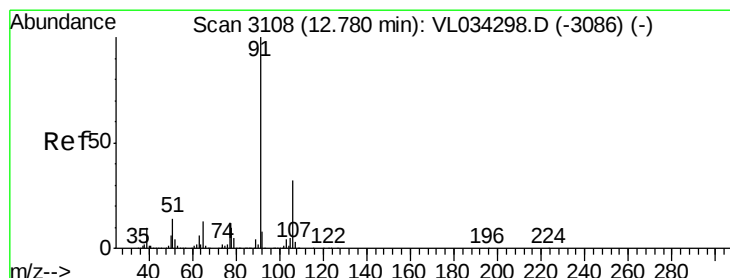
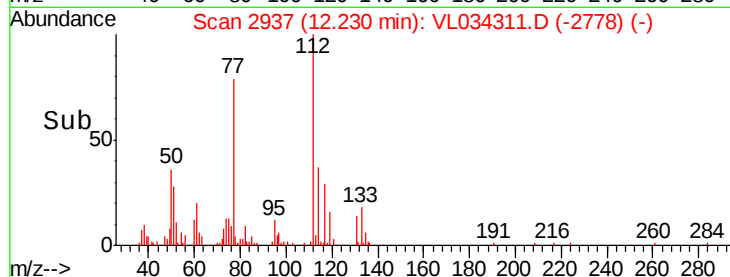
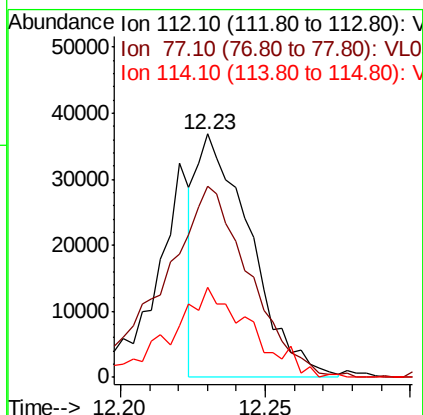
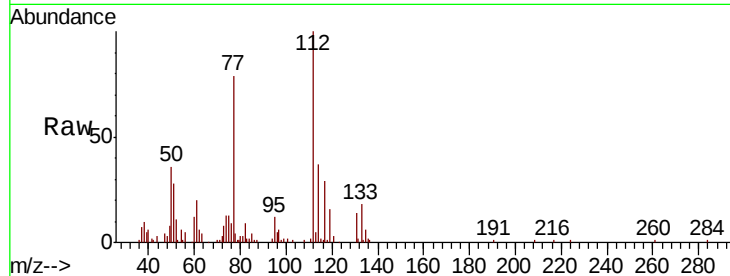




#57
Chlorobenzene
Concen: 0.283 ppbv
RT: 12.23 min Scan# 2937
Delta R.T. 0.01 min
Lab File: VL034311.D
Acq: 17 Oct 2019 00:01

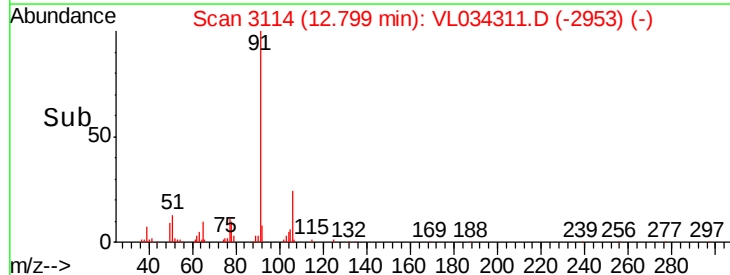
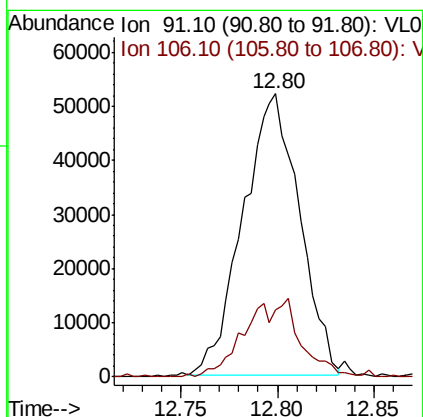
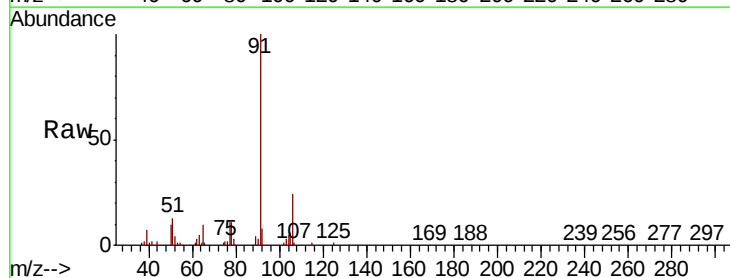
Instrument :
MSVOA_L
ClientSampleId :

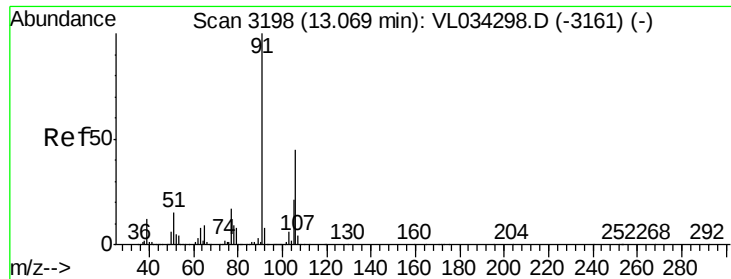
Tot Ion:112 Resp: 47620
Ion Ratio Lower Upper
112 100
77 78.3 58.6 88.0
114 35.9 28.6 35.0#



#58
Ethyl Benzene
Concen: 0.374 ppbv
RT: 12.80 min Scan# 3114
Delta R.T. 0.02 min
Lab File: VL034311.D
Acq: 17 Oct 2019 00:01

Tgt Ion: 91 Resp: 105525
Ion Ratio Lower Upper
91 100
106 23.1 25.3 37.9#

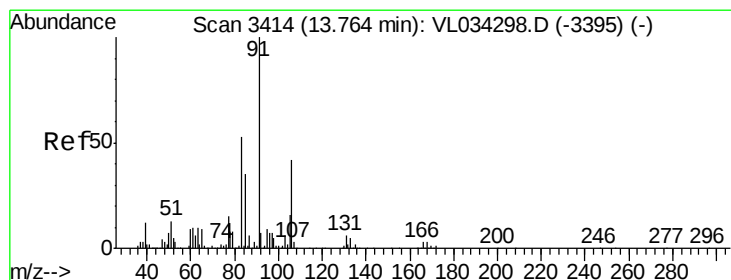
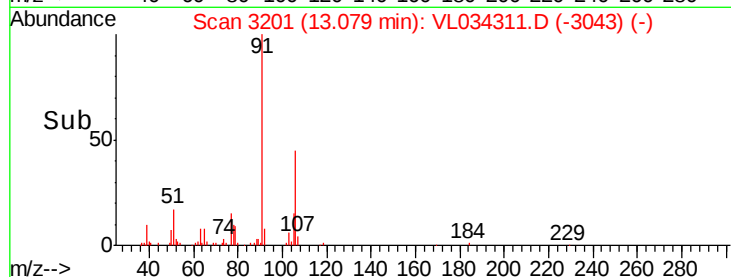
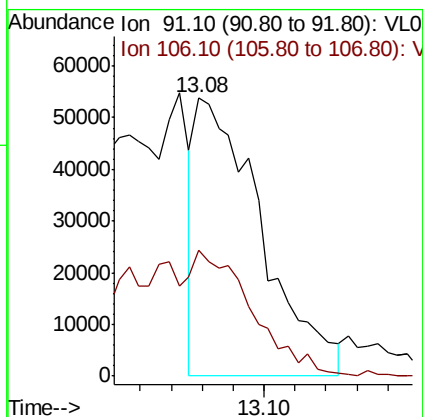
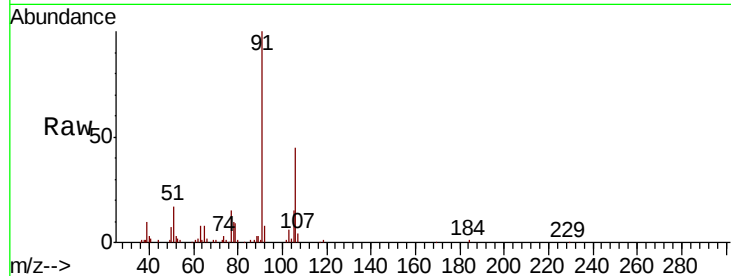




#59
m/p-Xylene
Concen: 0.322 ppbv
RT: 13.08 min Scan# 3201
Delta R.T. 0.01 min
Lab File: VL034311.D
Acq: 17 Oct 2019 00:01

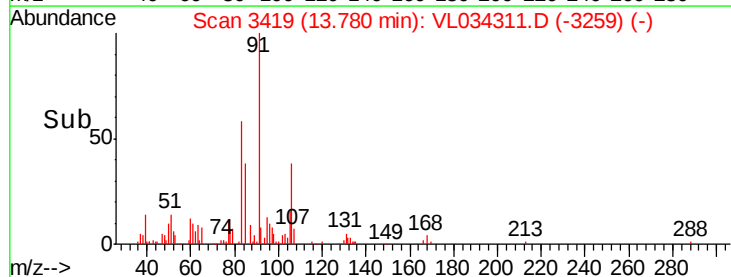
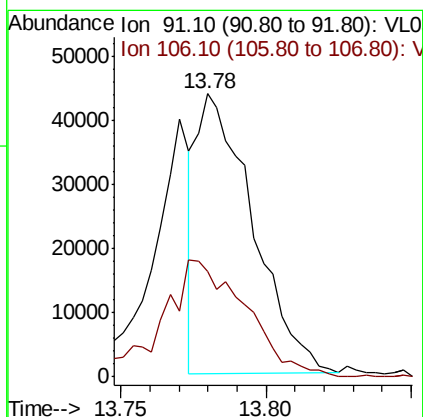
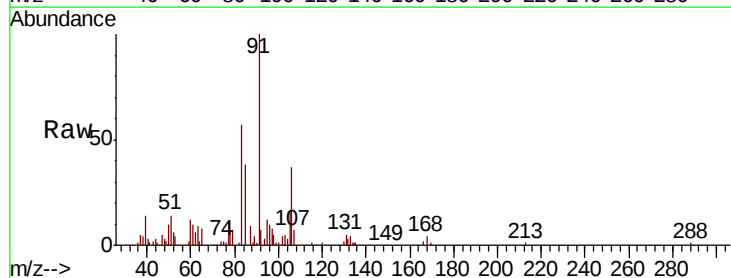
Instrument :
MSVOA_L
ClientSampleId :

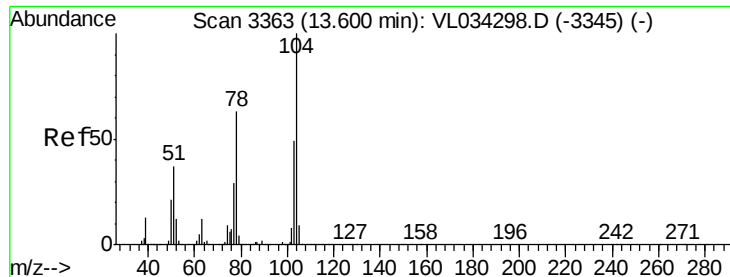
Tot Ion: 91 Resp: 78796
Ion Ratio Lower Upper
91 100
106 100.6 35.4 53.2#



#60
o-Xylene
Concen: 0.241 ppbv
RT: 13.78 min Scan# 3419
Delta R.T. 0.02 min
Lab File: VL034311.D
Acq: 17 Oct 2019 00:01

Tgt Ion: 91 Resp: 58624
Ion Ratio Lower Upper
91 100
106 0.0 21.6 64.6#





#61

Stvrene

Concen: 0.179 ppbv

RT: 13.62 min Scan# 3368

Delta R.T. 0.02 min

Lab File: VL034311.D

Acq: 17 Oct 2019 00:01

Instrument :

MSVOA_L

ClientSampleId :

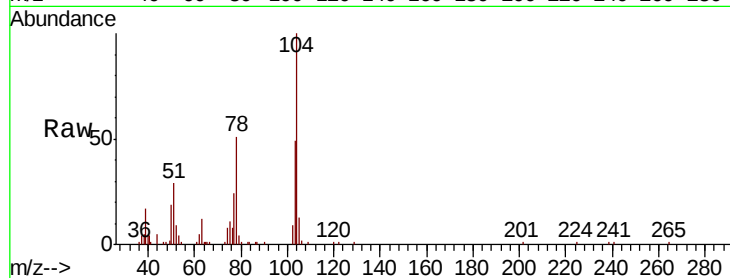
Tot Ion:104 Resp: 30710

Ion Ratio Lower Upper

104 100

78 107.4 47.8 71.8#

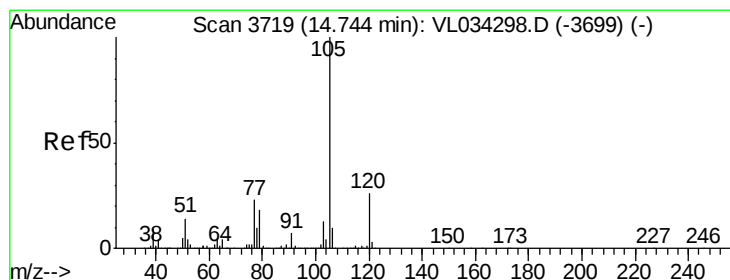
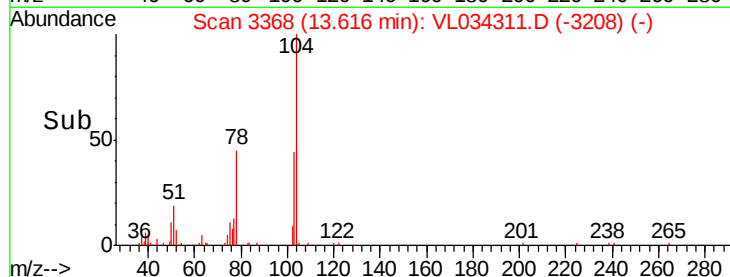
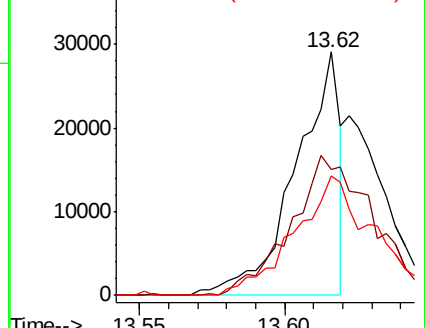
103 90.1 39.0 58.6#



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: 0.398 ppbv

RT: 14.76 min Scan# 3724

Delta R.T. 0.02 min

Lab File: VL034311.D

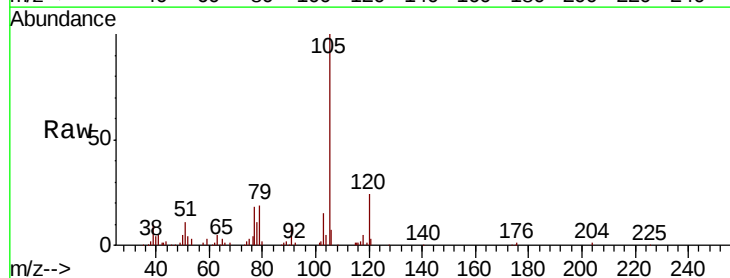
Acq: 17 Oct 2019 00:01

Tgt Ion:105 Resp: 127841

Ion Ratio Lower Upper

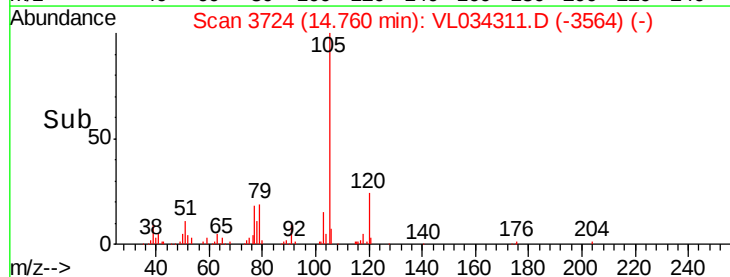
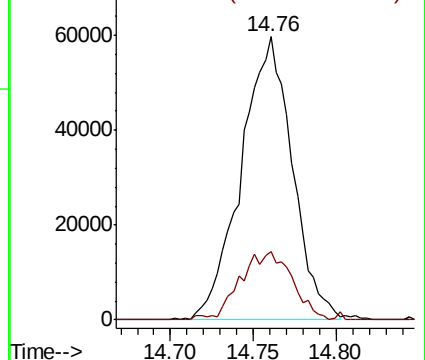
105 100

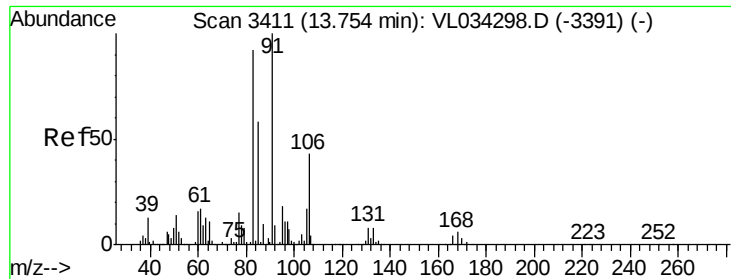
120 24.8 20.8 31.2



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: 0.151 ppbv

RT: 13.77 min Scan# 3417

Delta R.T. 0.02 min

Lab File: VL034311.D

Acq: 17 Oct 2019 00:01

Instrument :

MSVOA_L

ClientSampleId :

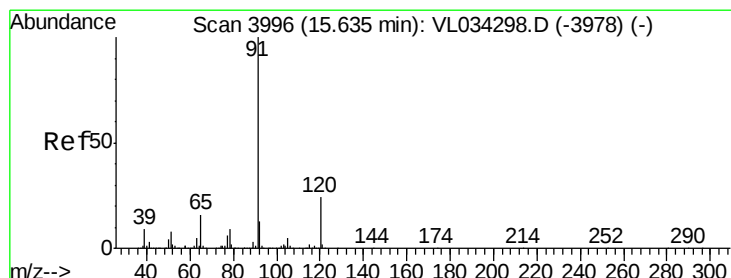
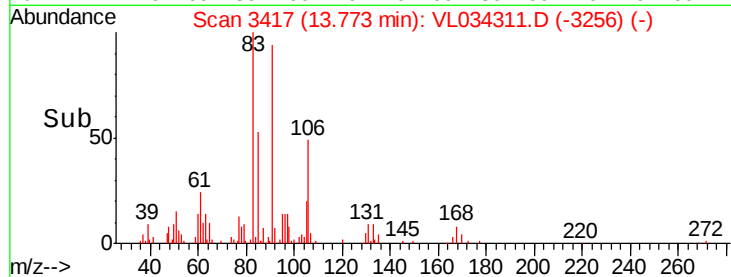
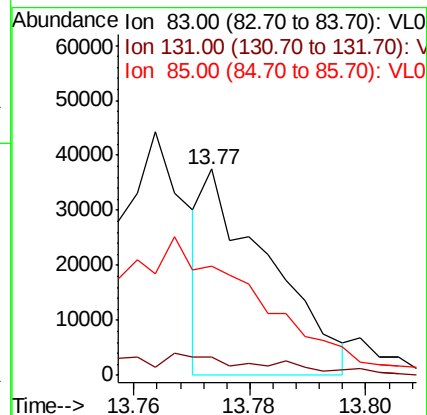
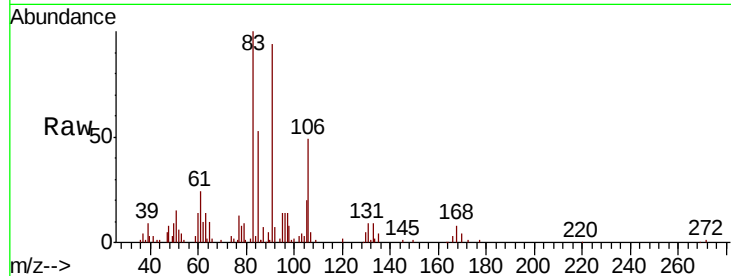
Tot Ion: 83 Resp: 29624

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.4#

85 0.0 32.5 97.4#



#64

n-propylbenzene

Concen: 0.180 ppbv

RT: 15.66 min Scan# 4003

Delta R.T. 0.02 min

Lab File: VL034311.D

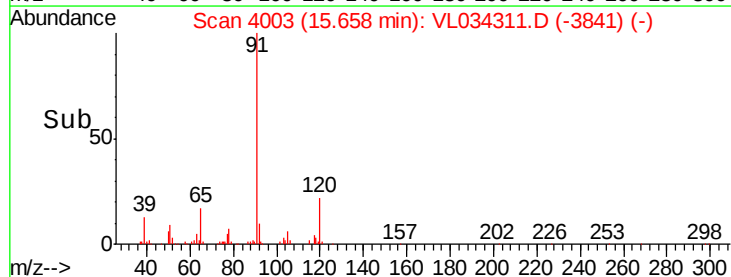
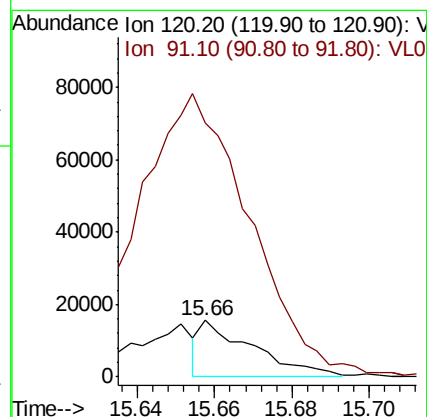
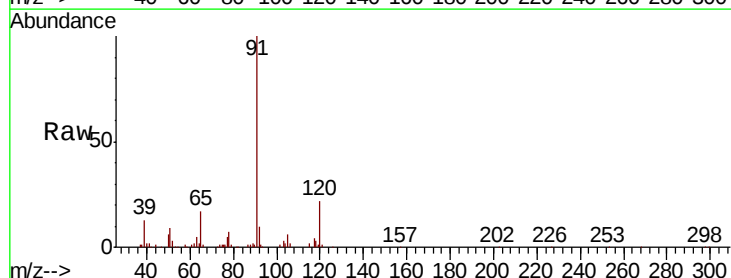
Acq: 17 Oct 2019 00:01

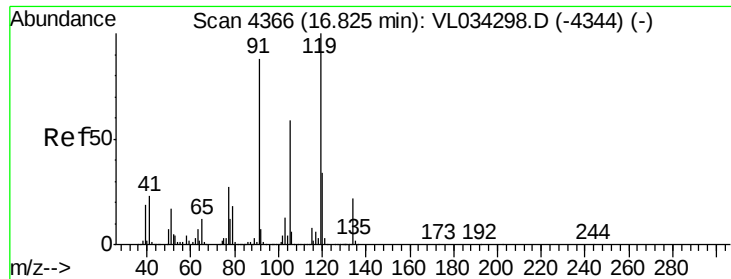
Tgt Ion:120 Resp: 14867

Ion Ratio Lower Upper

120 100

91 1134.2 374.9 562.3#





#65

tert-Butylbenzene

Concen: 0.184 ppbv

RT: 16.84 min Scan# 4372

Delta R.T. 0.02 min

Lab File: VL034311.D

Acq: 17 Oct 2019 00:01

Instrument :

MSVOA_L

ClientSampleId :

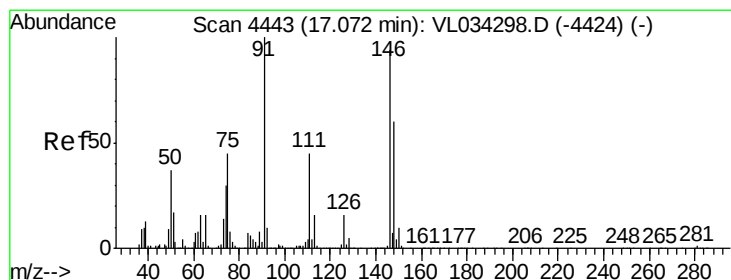
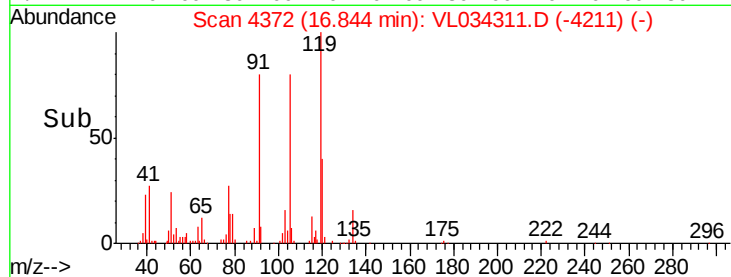
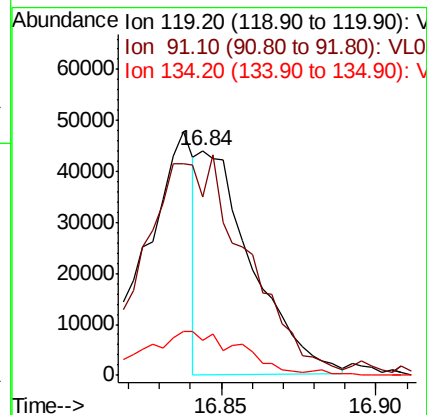
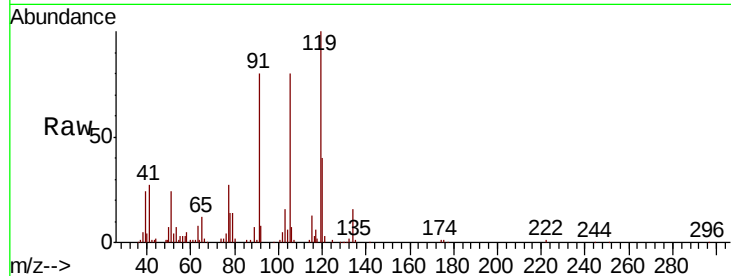
Tot Ion:119 Resp: 52393

Ion Ratio Lower Upper

119 100

91 197.8 71.4 107.0#

134 37.6 15.9 23.9#



#66

Benzyl Chloride

Concen: 0.128 ppbv

RT: 17.09 min Scan# 4449

Delta R.T. 0.02 min

Lab File: VL034311.D

Acq: 17 Oct 2019 00:01

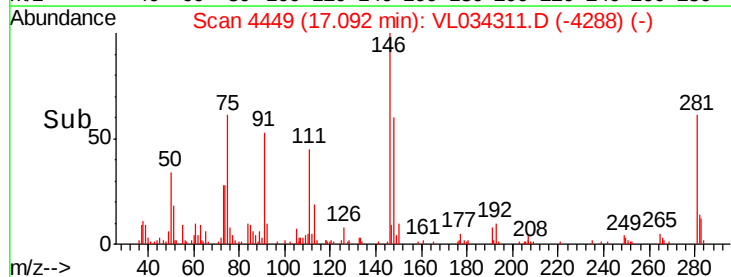
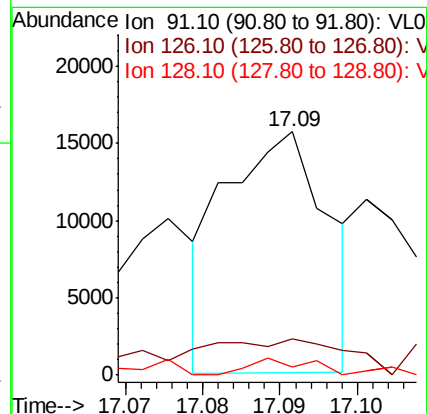
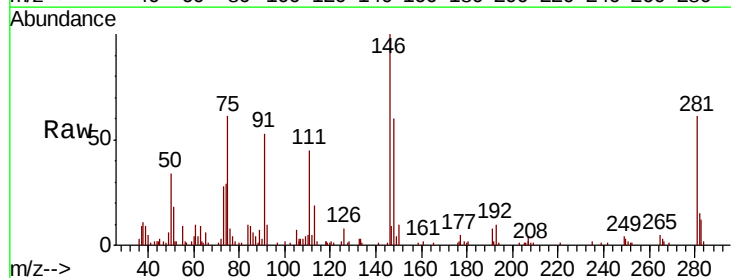
Tgt Ion: 91 Resp: 14454

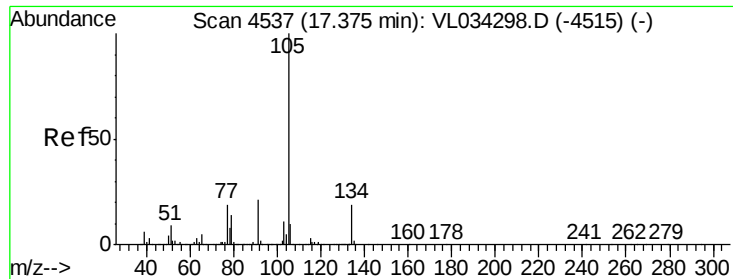
Ion Ratio Lower Upper

91 100

126 39.0 12.9 19.3#

128 5.9 4.3 6.5

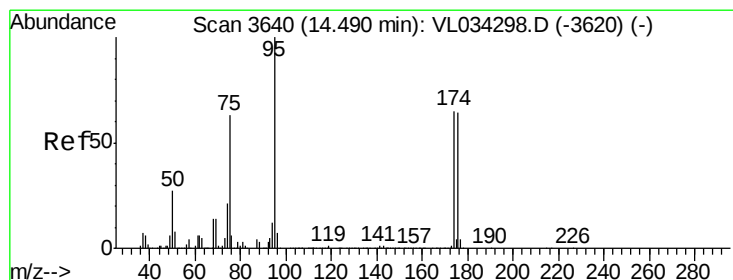
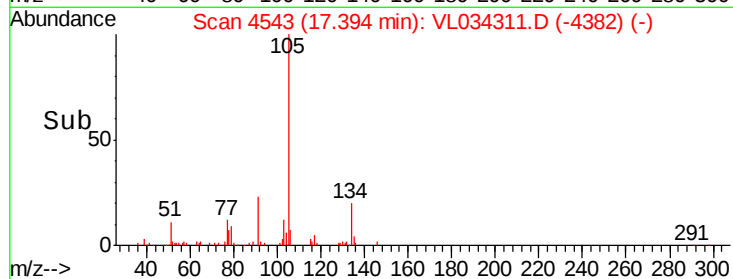
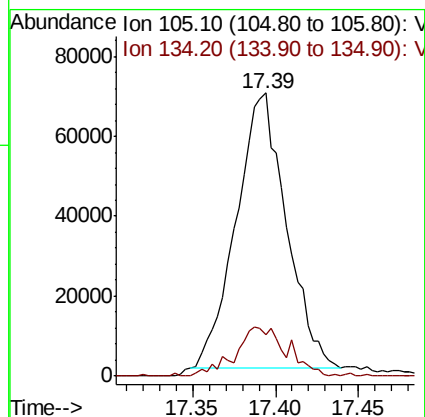
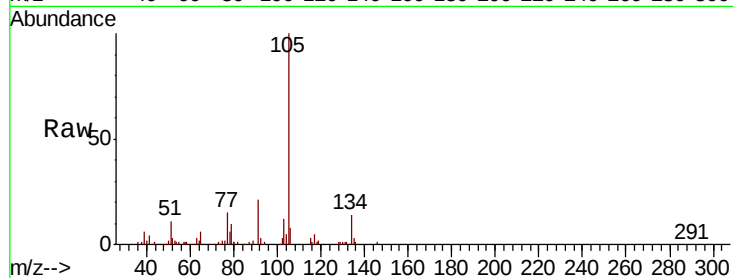




#67
 sec-Butylbenzene
 Concen: 0.361 ppbv
 RT: 17.39 min Scan# 4543
 Delta R.T. 0.02 min
 Lab File: VL034311.D
 Acq: 17 Oct 2019 00:01

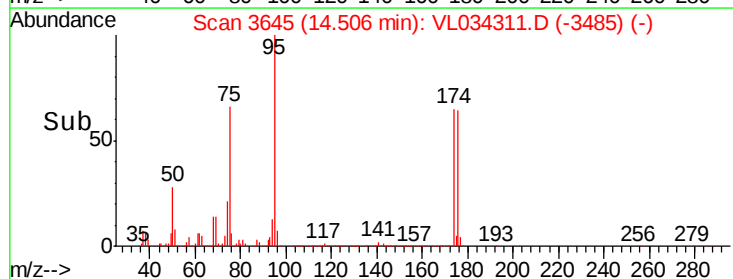
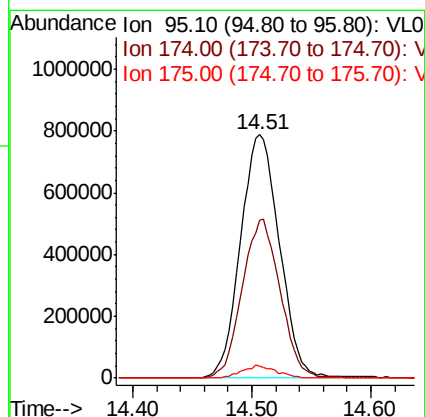
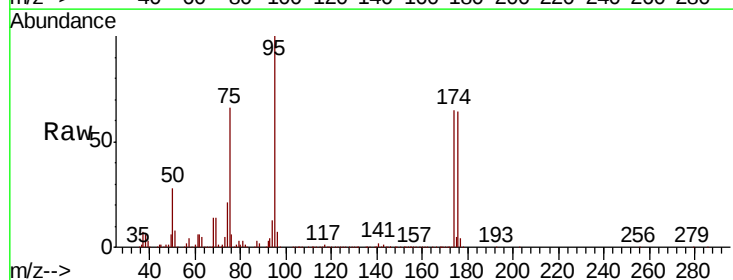
Instrument :
 MSVOA_L
 ClientSampleId :

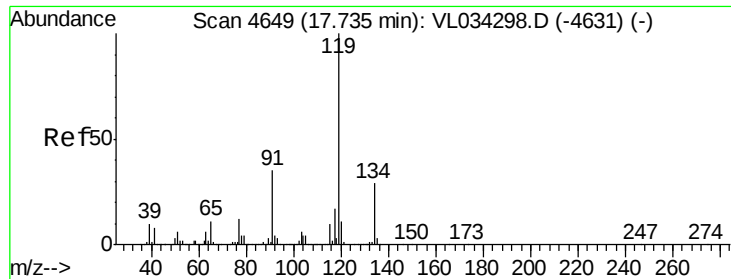
Tot Ion:105 Resp: 144750
 Ion Ratio Lower Upper
 105 100
 134 18.9 15.4 23.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.438 ppbv
 RT: 14.51 min Scan# 3645
 Delta R.T. 0.02 min
 Lab File: VL034311.D
 Acq: 17 Oct 2019 00:01

Tgt Ion: 95 Resp: 1785381
 Ion Ratio Lower Upper
 95 100
 174 63.6 52.6 78.8
 175 4.7 3.8 5.6

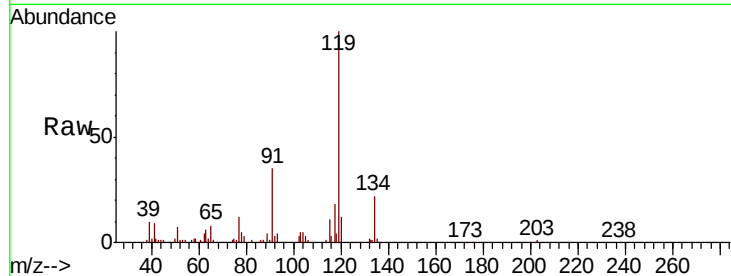




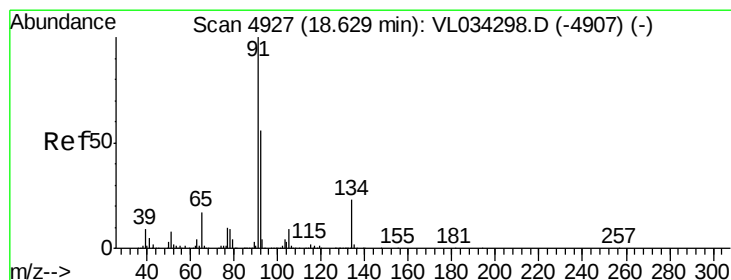
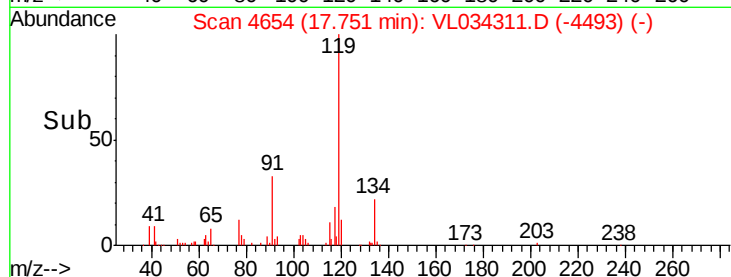
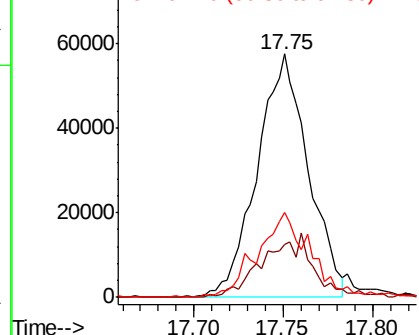
#69
 p-Isopropyltoluene
 Concen: 0.352 ppbv
 RT: 17.75 min Scan# 4654
 Delta R.T. 0.02 min
 Lab File: VL034311.D
 Acq: 17 Oct 2019 00:01

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.1	21.3	31.9
91	36.7	26.6	39.8

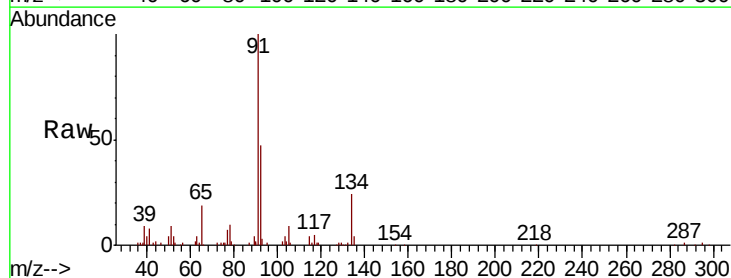


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

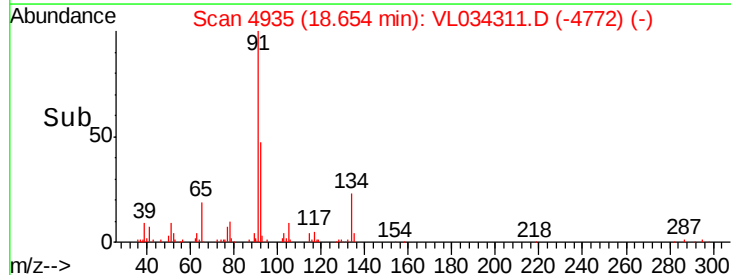
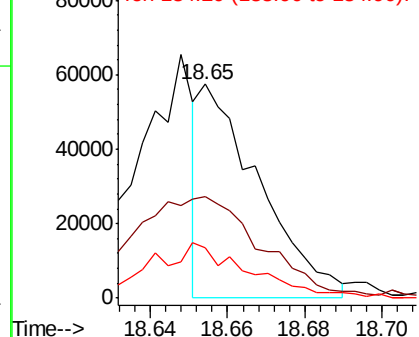


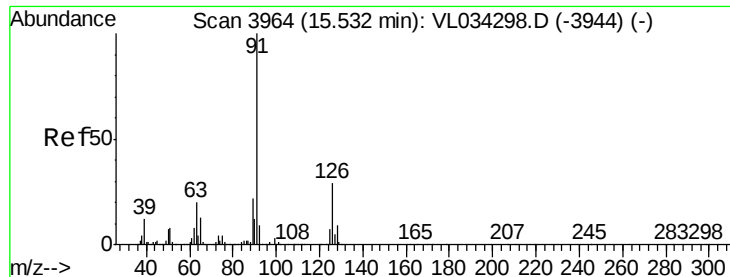
#70
 n-Butylbenzene
 Concen: 0.172 ppbv
 RT: 18.65 min Scan# 4935
 Delta R.T. 0.03 min
 Lab File: VL034311.D
 Acq: 17 Oct 2019 00:01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	108.8	44.5	66.7#
134	47.4	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: 0.388 ppbv

RT: 15.55 min Scan# 3970

Delta R.T. 0.02 min

Lab File: VL034311.D

Acq: 17 Oct 2019 00:01

Instrument :

MSVOA_L

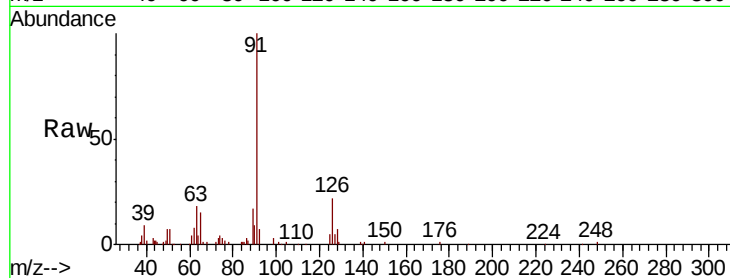
ClientSampleId :

Tot Ion: 91 Resp: 96752

Ion Ratio Lower Upper

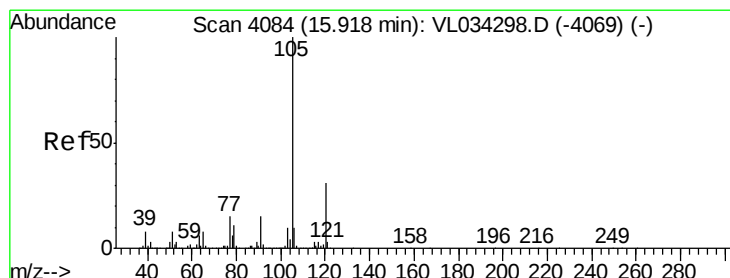
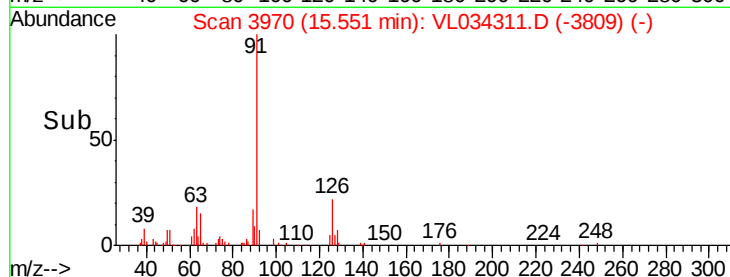
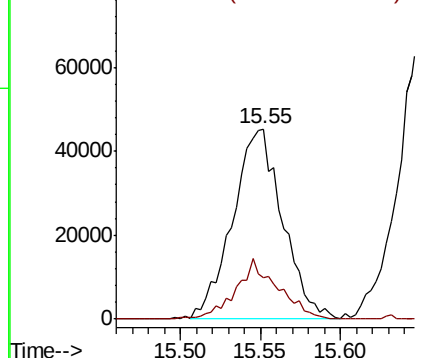
91 100

126 26.6 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: 0.349 ppbv

RT: 15.93 min Scan# 4088

Delta R.T. 0.01 min

Lab File: VL034311.D

Acq: 17 Oct 2019 00:01

Tgt Ion:105 Resp: 95640

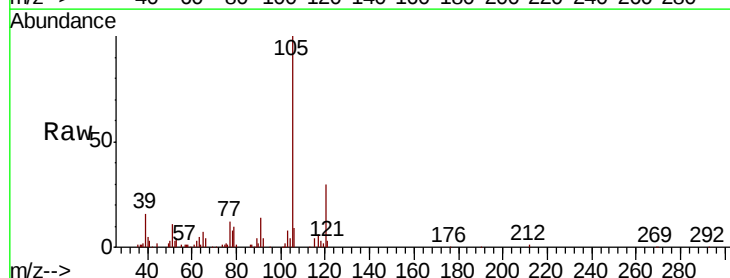
Ion Ratio Lower Upper

105 100

120 28.7 23.8 35.8

91 17.8 11.2 16.8#

77 17.9 12.8 19.2

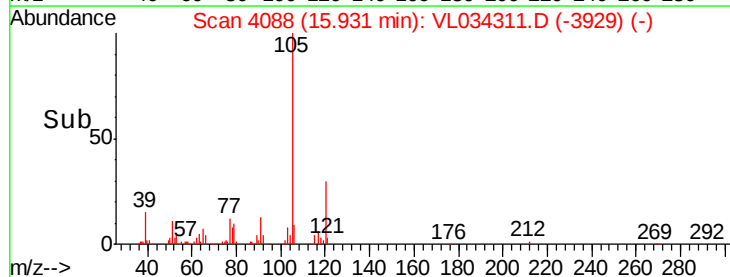
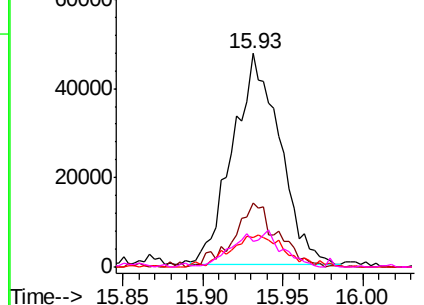


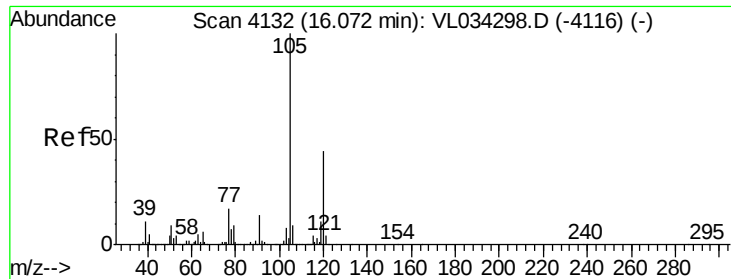
Abundance Ion 105.10 (104.80 to 105.80): V

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

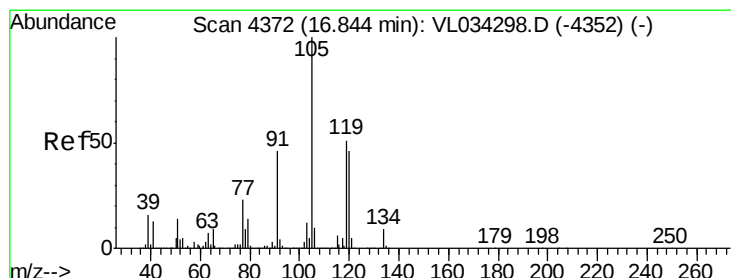
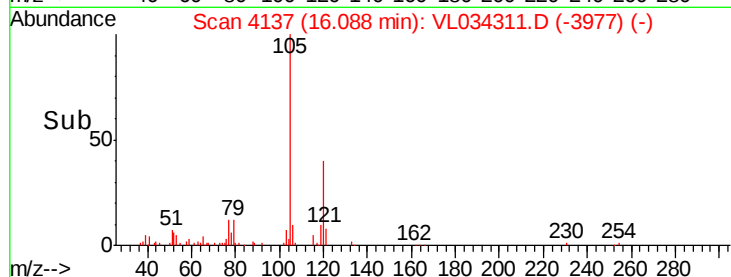
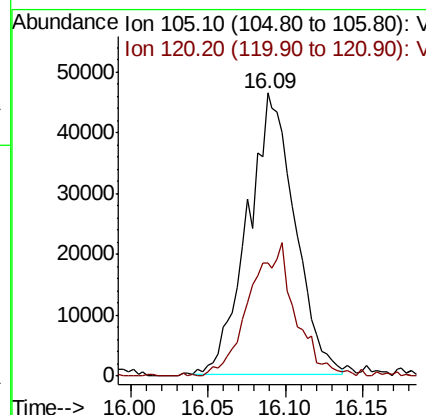
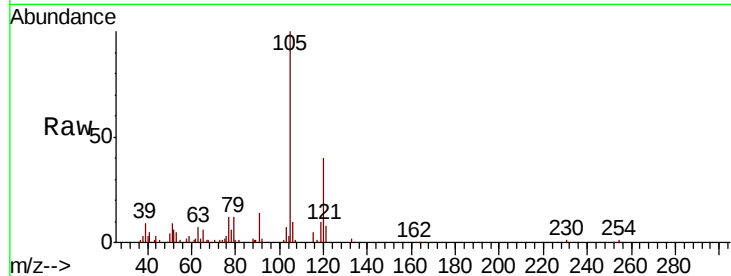




#73
 1,3,5-Trimethylbenzene
 Concen: 0.361 ppbv
 RT: 16.09 min Scan# 4137
 Delta R.T. 0.02 min
 Lab File: VL034311.D
 Acq: 17 Oct 2019 00:01

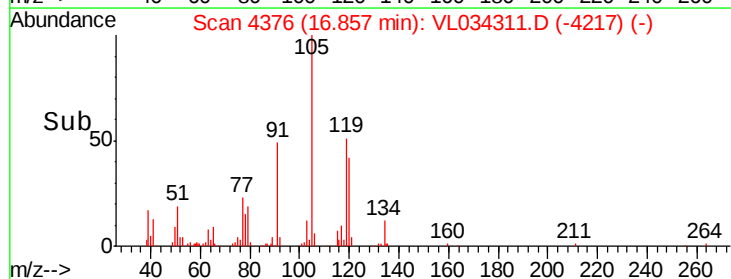
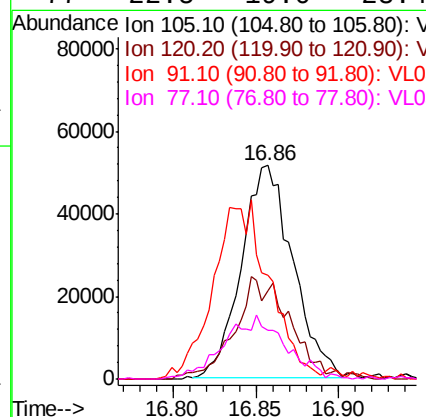
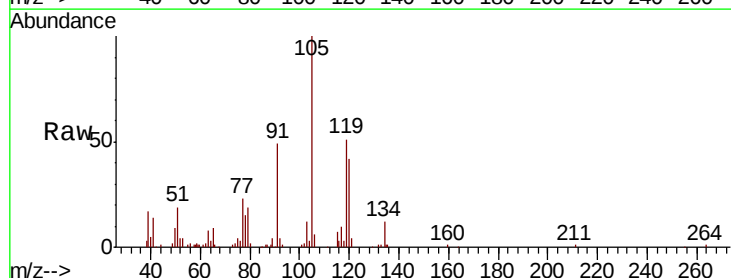
Instrument :
 MSVOA_L
 ClientSampleId :

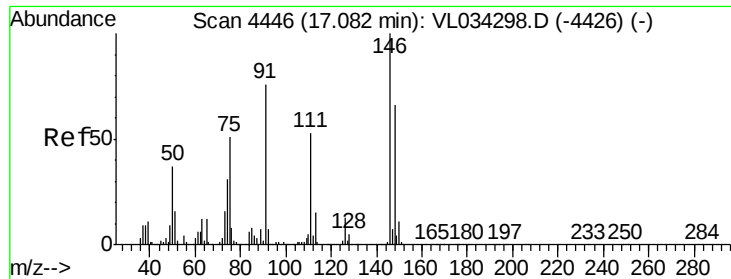
Tot Ion:105 Resp: 98061
 Ion Ratio Lower Upper
 105 100
 120 39.6 35.2 52.8



#74
 1,2,4-Trimethylbenzene
 Concen: 0.391 ppbv
 RT: 16.86 min Scan# 4376
 Delta R.T. 0.01 min
 Lab File: VL034311.D
 Acq: 17 Oct 2019 00:01

Tgt Ion:105 Resp: 110715
 Ion Ratio Lower Upper
 105 100
 120 40.7 37.0 55.6
 91 47.1 38.2 57.2
 77 22.5 19.0 28.4

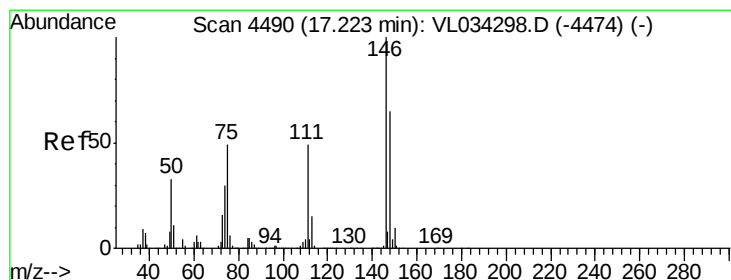
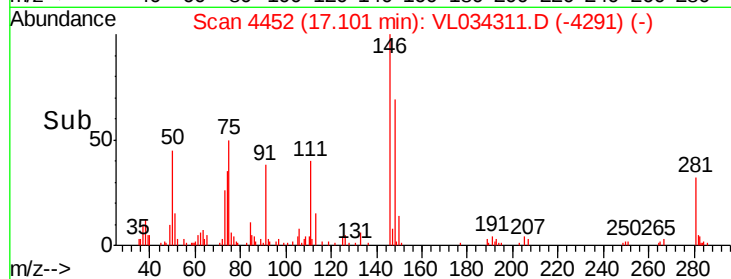
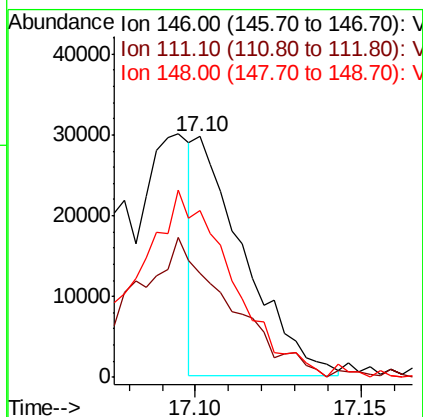
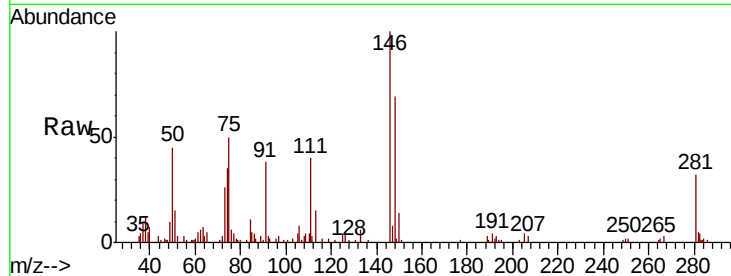




#75
 1,3-Dichlorobenzene
 Concen: 0.180 ppbv
 RT: 17.10 min Scan# 4452
 Delta R.T. 0.02 min
 Lab File: VL034311.D
 Acq: 17 Oct 2019 00:01

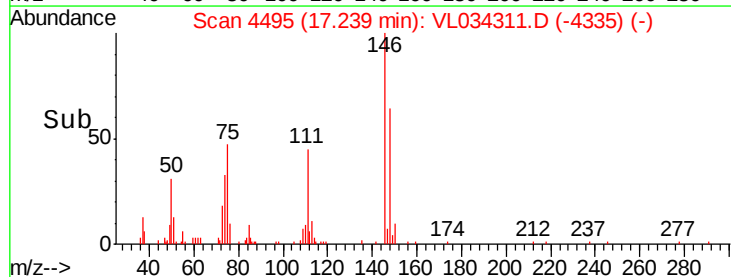
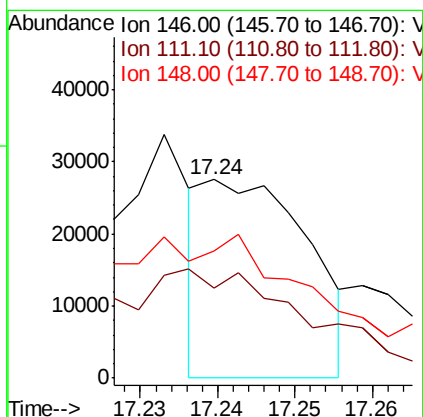
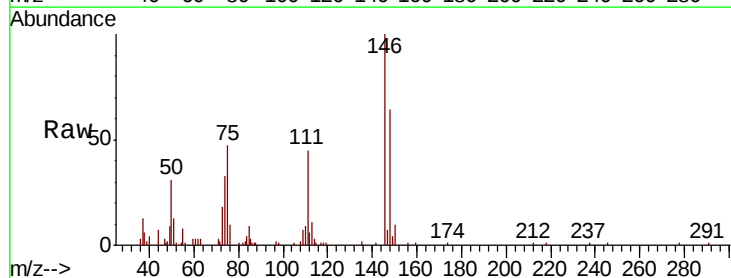
Instrument :
 MSVOA_L
 ClientSampleId :

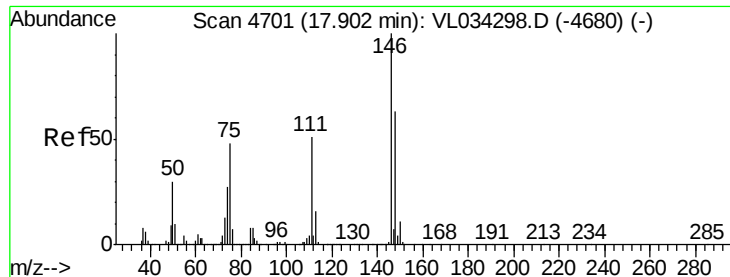
Tot Ion:146 Resp: 30573
 Ion Ratio Lower Upper
 146 100
 111 0.0 24.5 73.5#
 148 0.0 32.3 96.8#



#76
 1,4-Dichlorobenzene
 Concen: 0.156 ppbv
 RT: 17.24 min Scan# 4495
 Delta R.T. 0.02 min
 Lab File: VL034311.D
 Acq: 17 Oct 2019 00:01

Tgt Ion:146 Resp: 25812
 Ion Ratio Lower Upper
 146 100
 111 127.9 23.9 71.7#
 148 176.3 33.1 99.2#





#77

1,2-Dichlorobenzene

Concen: 0.198 ppbv

RT: 17.92 min Scan# 4708

Delta R.T. 0.02 min

Lab File: VL034311.D

Acq: 17 Oct 2019 00:01

Instrument :

MSVOA_L

ClientSampleId :

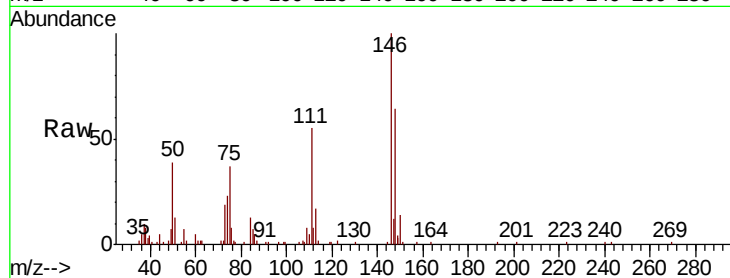
Tot Ion:146 Resp: 33030

Ion Ratio Lower Upper

146 100

111 105.9 25.1 75.3#

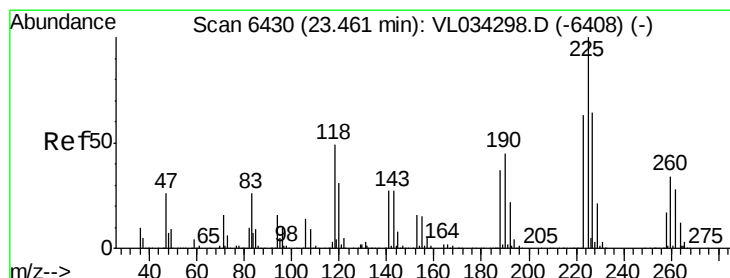
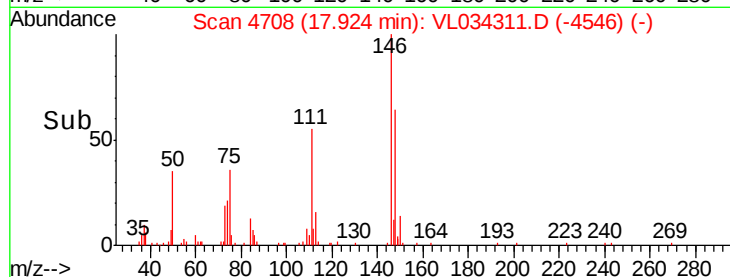
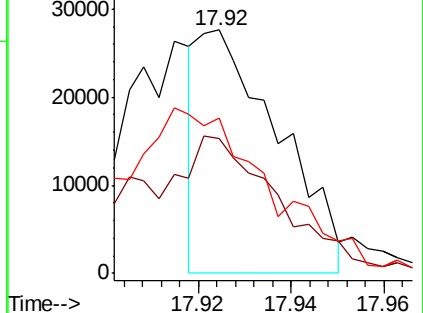
148 0.0 32.3 96.8#



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



#78

Hexachloro-1,3-Butadiene

Concen: 0.182 ppbv

RT: 23.48 min Scan# 6437

Delta R.T. 0.02 min

Lab File: VL034311.D

Acq: 17 Oct 2019 00:01

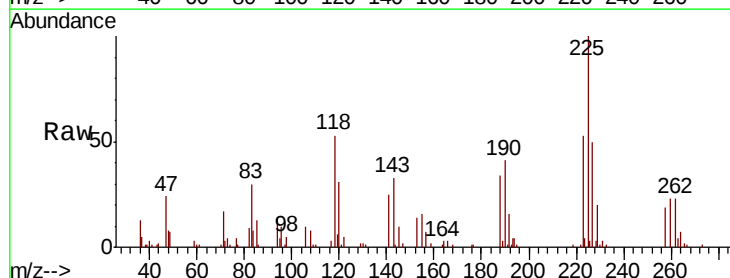
Tgt Ion:225 Resp: 25034

Ion Ratio Lower Upper

225 100

223 148.4 50.8 76.2#

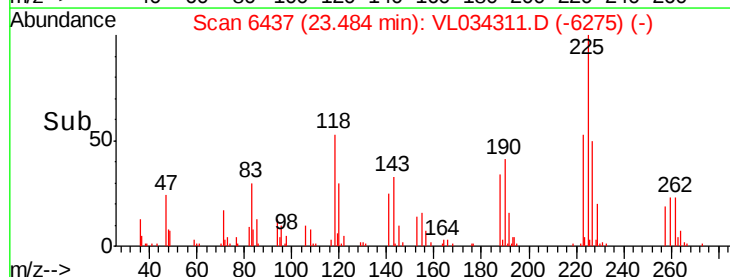
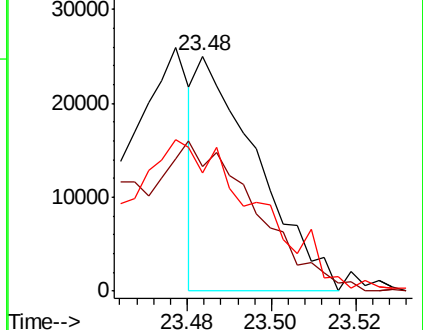
227 0.0 51.5 77.3#

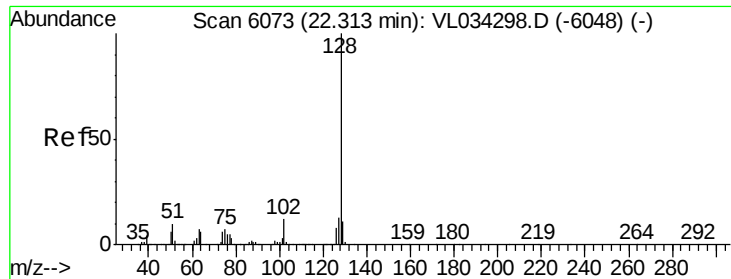


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 0.115 ppbv

RT: 22.34 min Scan# 6081

Delta R.T. 0.03 min

Lab File: VL034311.D

Acq: 17 Oct 2019 00:01

Instrument :

MSVOA_L

ClientSampleId :

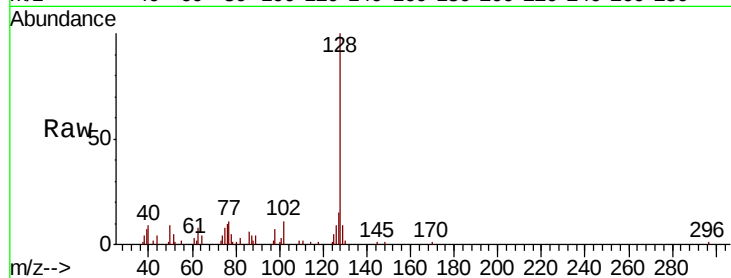
Tot Ion:128 Resp: 23684

Ion Ratio Lower Upper

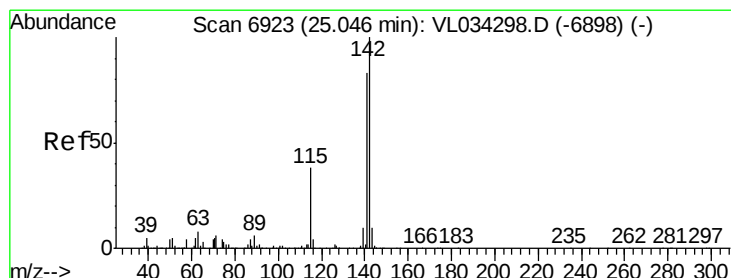
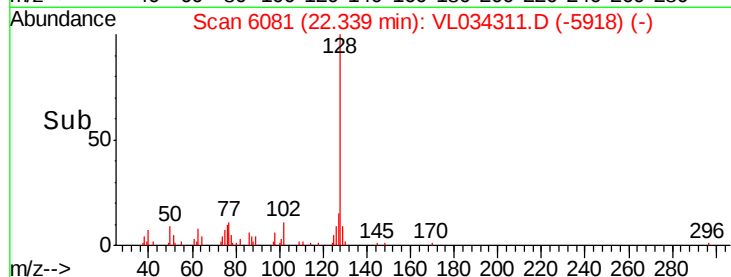
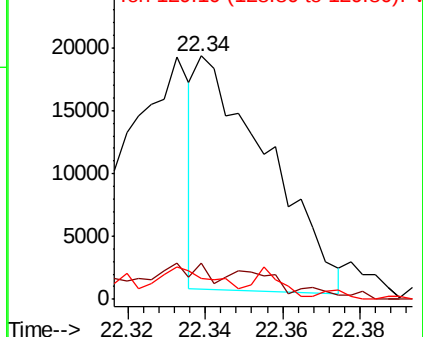
128 100

127 14.9 10.2 15.4

129 5.1 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: 0.122 ppbv

RT: 25.07 min Scan# 6930

Delta R.T. 0.02 min

Lab File: VL034311.D

Acq: 17 Oct 2019 00:01

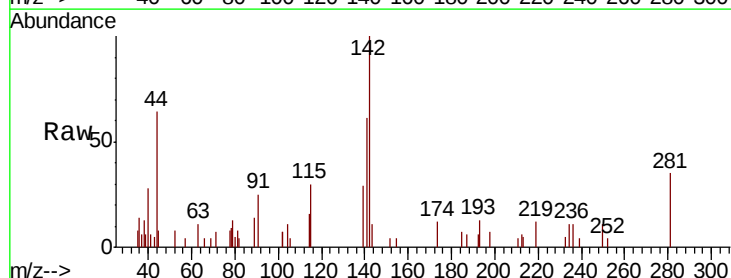
Tgt Ion:142 Resp: 7291

Ion Ratio Lower Upper

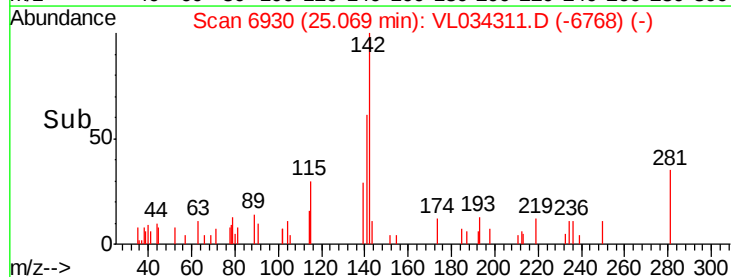
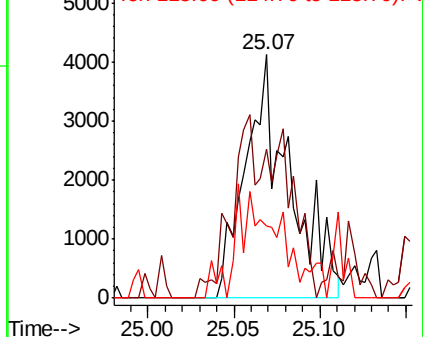
142 100

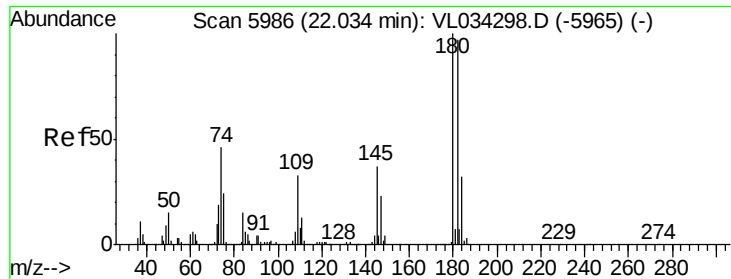
141 93.9 65.7 98.5

115 42.8 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: 0.042 ppbv
 RT: 22.06 min Scan# 5995
 Delta R.T. 0.03 min
 Lab File: VL034311.D
 Acq: 17 Oct 2019 00:01

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 5673
 Ion Ratio Lower Upper
 180 100
 182 0.0 77.8 116.8#
 184 284.1 25.4 38.2#

