

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101719\
 Data File : VL034318.D
 Acq On : 17 Oct 2019 15:22
 Operator : SY/AP
 Sample : VL1017ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017ABS01

Quant Time: Oct 18 04:43:45 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	1069257	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	2104851	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.16	117	2318469	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.50	95	1869887	9.52	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.20%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	1324284	7.184	ppbv	100
3) Chlorodifluoromethane	2.97	51	1255517	10.018	ppbv	100
4) Chloromethane	3.12	50	748121	10.092	ppbv	96
5) Vinyl Chloride	3.24	62	696927	9.859	ppbv	97
6) Bromomethane	3.46	94	364133	10.520	ppbv	90
7) Chloroethane	3.55	64	253969	10.208	ppbv	98
8) Dichlorotetrafluoroethane	3.17	85	1551425	9.713	ppbv	100
9) Propene	2.99	41	567799	10.220	ppbv	98
10) Heptane	8.18	43	1540594	10.804	ppbv	98
11) Trichlorofluoromethane	3.95	101	1726099	9.863	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1167431	10.182	ppbv	99
13) Ethanol	3.60	45	131336	10.558	ppbv	95
14) Bromoethene	3.74	108	479407	10.620	ppbv	98
15) Acetone	3.85	43	1320632	8.635	ppbv	100
16) 1,3-Butadiene	3.31	39	648616	10.438	ppbv	99
17) tert-Butyl alcohol	4.30	59	1192438	12.216	ppbv	99
18) 1,1-Dichloroethene	4.29	96	513133	10.221	ppbv	94
19) Isopropyl Alcohol	3.97	45	1025527	12.020	ppbv	100
20) Methylene Chloride	4.35	84	461412	8.345	ppbv	96
21) Allyl Chloride	4.42	41	916477	10.839	ppbv	100
22) trans-1,2-Dichloroethene	4.90	96	531298	10.610	ppbv	98
23) Vinyl Acetate	5.09	43	2054565	10.757	ppbv	98
24) 1,1-Dichloroethane	5.03	63	1430002	10.088	ppbv	99
25) Ethyl Acetate	5.71	43	2569812	9.953	ppbv	99
26) Hexane	5.72	57	1108895	10.076	ppbv	99
27) Carbon Disulfide	4.56	76	1350065	11.816	ppbv	98
28) Methyl tert-Butyl Ether	5.05	73	1771927	10.638	ppbv	99
29) Chloroform	5.79	83	1748309	10.043	ppbv	96
30) Cyclohexane	7.18	84	865364	10.692	ppbv	98
31) cis-1,2-Dichloroethene	5.58	61	1181026	10.574	ppbv	97
32) 1,1,1-Trichloroethane	6.55	97	1727350	10.203	ppbv	99
34) 2-Butanone	5.27	43	1726351	10.034	ppbv	99
35) Carbon Tetrachloride	7.06	117	1841360	10.044	ppbv	97
36) Benzene	6.94	78	2081806	10.308	ppbv	100
37) 1,2-Dichloroethane	6.35	62	1522600	10.116	ppbv	100
38) Trichloroethene	7.89	130	798776	9.856	ppbv	97
39) 1,2-Dichloropropane	7.67	63	893491	10.275	ppbv	98
40) 1,4-Dioxane	7.89	88	339819	11.120	ppbv	98
41) Tetrahydrofuran	6.08	42	995518	10.426	ppbv	98
42) Bromodichloromethane	7.85	83	1921518	10.423	ppbv	98
43) Methyl Methacrylate	8.07	69	904804	10.833	ppbv	98

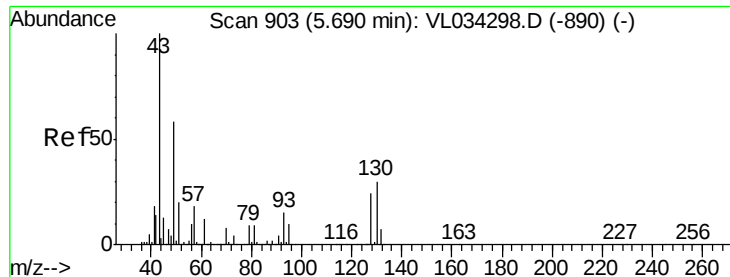
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101719\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.92	57	3737783	10.000	ppbv	99
45) t-1,3-Dichloropropene	9.34	75	1216871	11.958	ppbv	98
46) cis-1,3-Dichloropropene	8.76	75	1356232	11.600	ppbv	99
47) 1,1,2-Trichloroethane	9.54	97	885973	10.058	ppbv	99
48) Dibromochloromethane	10.38	129	1603544	11.098	ppbv	99
49) Bromoform	13.13	173	1457926	11.387	ppbv	100
50) 4-Methyl-2-Pentanone	8.80	43	2589516	10.514	ppbv	99
51) 2-Hexanone	10.20	43	2195323	10.873	ppbv	100
52) Tetrachloroethene	11.30	164	778468	9.834	ppbv	93
53) Toluene	9.87	91	2406644	10.798	ppbv	100
54) 1,2-Dibromoethane	10.68	107	1345612	10.307	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.20	131	1046299	9.793	ppbv	99
57) Chlorobenzene	12.22	112	1832553	9.475	ppbv	99
58) Ethyl Benzene	12.79	91	3321499	10.248	ppbv	99
59) m/p-Xylene	13.07	91	3117467	11.102	ppbv #	48
60) o-Xylene	13.77	91	2757552	9.862	ppbv	100
61) Styrene	13.61	104	2082178	10.577	ppbv	100
62) Isopropylbenzene	14.75	105	3606821	9.771	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.76	83	1996648	8.886	ppbv	100
64) n-propylbenzene	15.65	120	968865	10.228	ppbv	98
65) tert-Butylbenzene	16.83	119	3215202	9.828	ppbv	99
66) Benzyl Chloride	17.08	91	1643031	12.716	ppbv	100
67) sec-Butylbenzene	17.38	105	4506751	9.789	ppbv	100
69) p-Isopropyltoluene	17.74	119	3753422	10.000	ppbv	100
70) n-Butylbenzene	18.64	91	4043037	9.900	ppbv	100
71) 2-Chlorotoluene	15.54	91	2890878	10.101	ppbv	99
72) 4-Ethyltoluene	15.92	105	3210848	10.215	ppbv	99
73) 1,3,5-Trimethylbenzene	16.08	105	3109897	9.986	ppbv	95
74) 1,2,4-Trimethylbenzene	16.85	105	3185761	9.809	ppbv	96
75) 1,3-Dichlorobenzene	17.09	146	1862504	9.552	ppbv	100
76) 1,4-Dichlorobenzene	17.23	146	1884903	9.896	ppbv	99
77) 1,2-Dichlorobenzene	17.91	146	1819756	9.519	ppbv	99
78) Hexachloro-1,3-Butadiene	23.47	225	1404514	8.882	ppbv	99
79) Naphthalene	22.32	128	2753822	11.608	ppbv	98
80) Naphthalene,2-methyl-	25.05	142	926556	13.511	ppbv	98
81) 1,2,4-Trichlorobenzene	22.04	180	1669000	10.771	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.70 min Scan# 905

Delta R.T. 0.01 min

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MSVOA_L

ClientSampleId :

VL1017ABS01

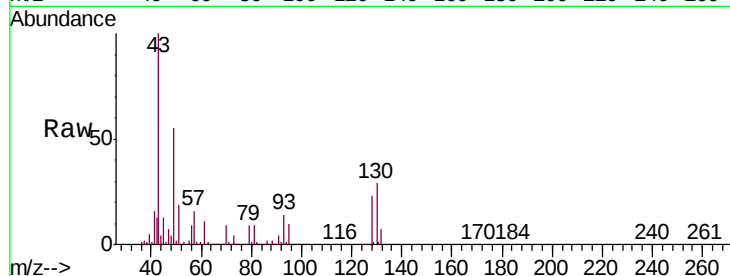
Tgt Ion: 49 Resp: 1069257

Ion Ratio Lower Upper

49 100

128 42.2 20.6 61.8

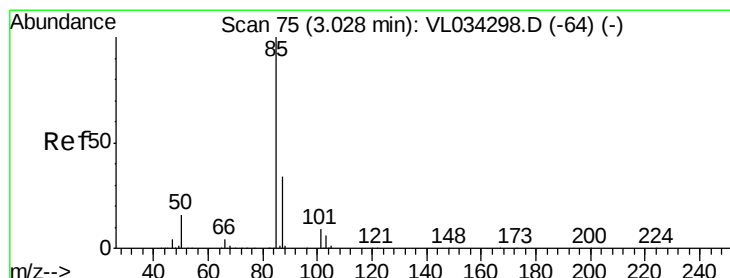
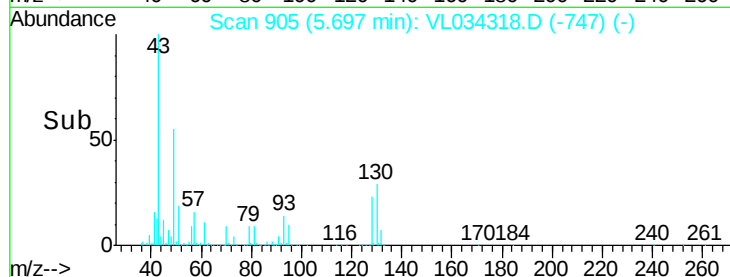
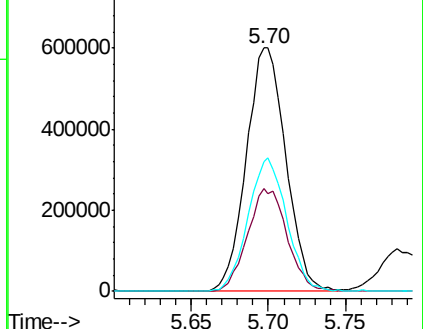
130 53.8 26.2 78.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 7.184 ppbv

RT: 3.03 min Scan# 76

Delta R.T. 0.00 min

Lab File: VL034318.D

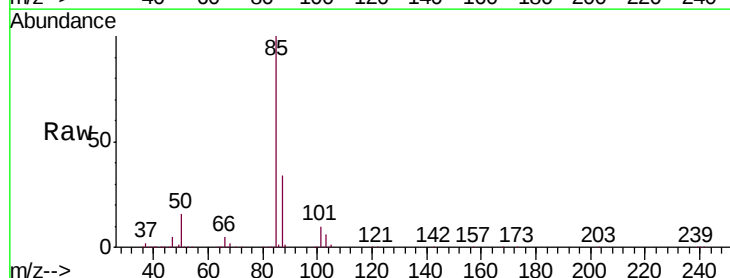
Acq: 17 Oct 2019 15:22

Tgt Ion: 85 Resp: 1324284

Ion Ratio Lower Upper

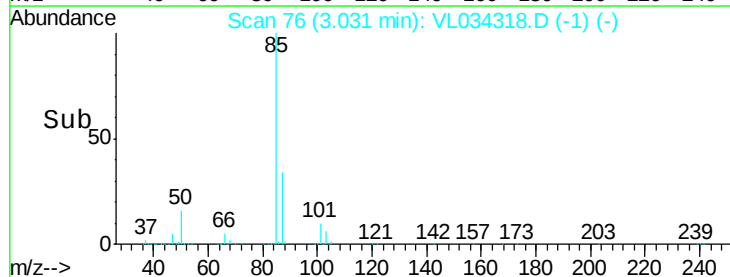
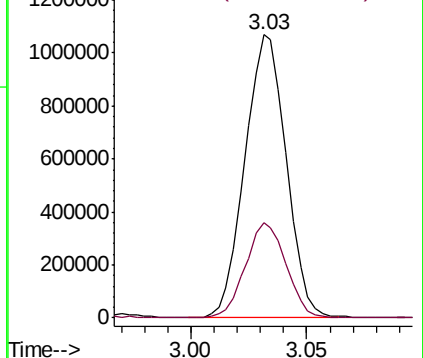
85 100

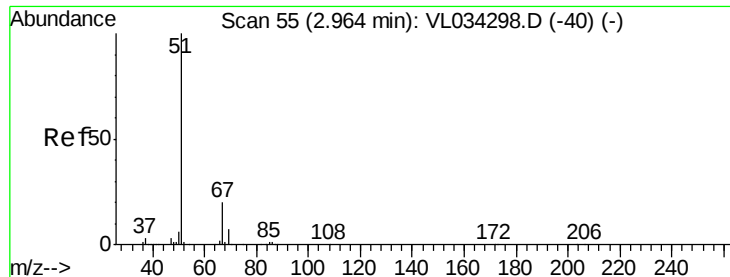
87 33.6 27.0 40.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.018 ppbv

RT: 2.97 min Scan# 57

Delta R.T. 0.01 min

Lab File: VL034318.D

Acq: 17 Oct 2019 15:22

Instrument :

MSVOA_L

ClientSampleId :

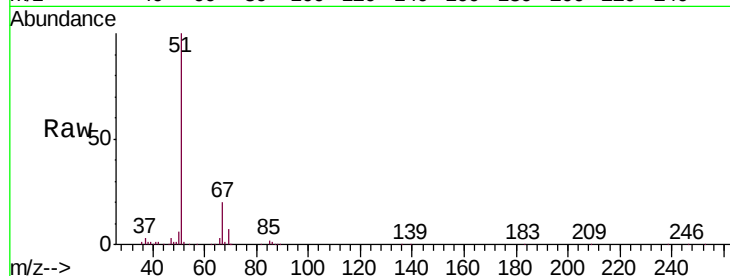
VL1017ABS01

Tgt Ion: 51 Resp: 125517

Ion Ratio Lower Upper

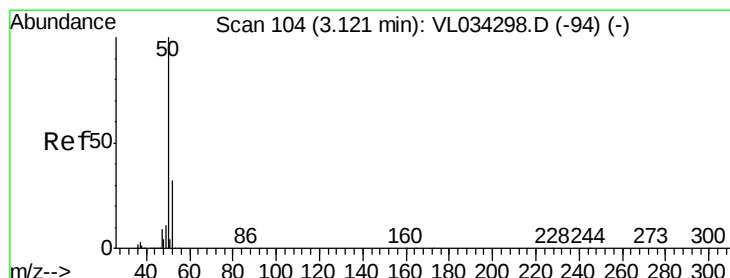
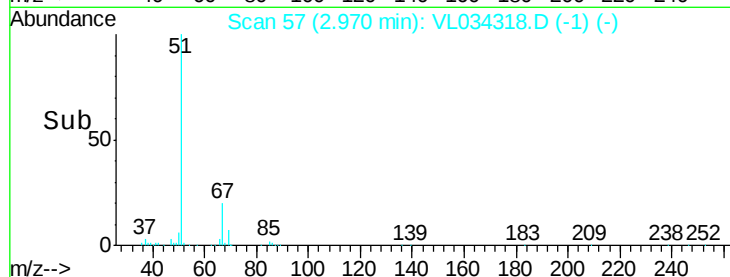
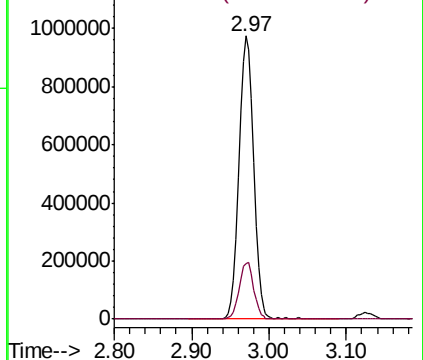
51 100

67 19.8 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: 10.092 ppbv

RT: 3.12 min Scan# 105

Delta R.T. 0.00 min

Lab File: VL034318.D

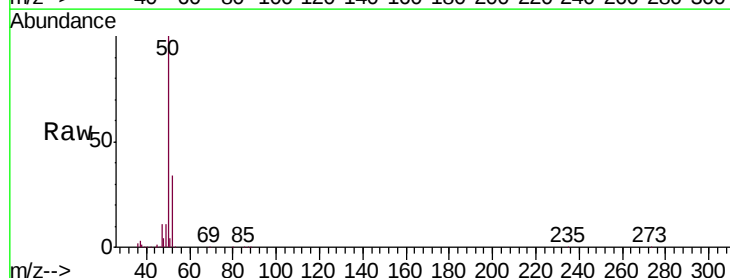
Acq: 17 Oct 2019 15:22

Tgt Ion: 50 Resp: 748121

Ion Ratio Lower Upper

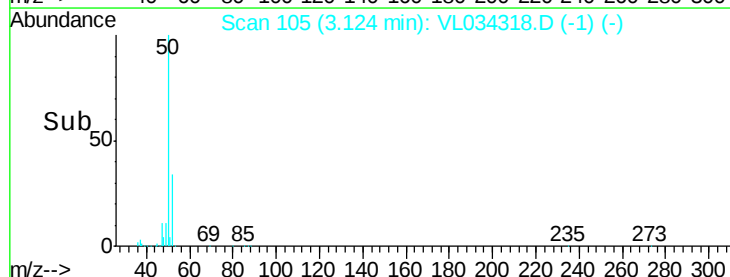
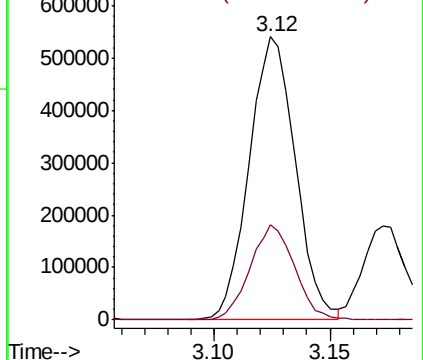
50 100

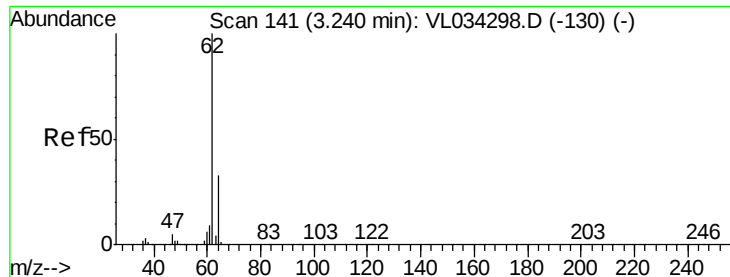
52 33.8 25.4 38.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.859 ppbv

RT: 3.24 min Scan# 142

Delta R.T. 0.00 min

Lab File: VL034318.D

Acq: 17 Oct 2019 15:22

Instrument :

MSVOA_L

ClientSampleId :

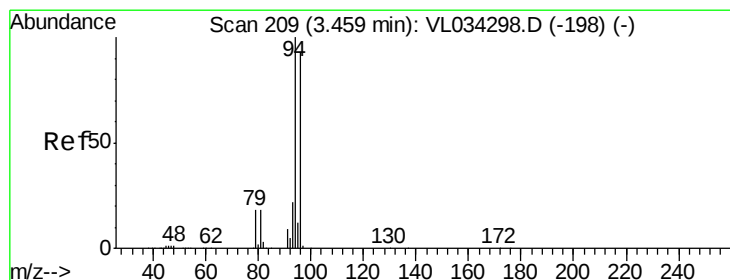
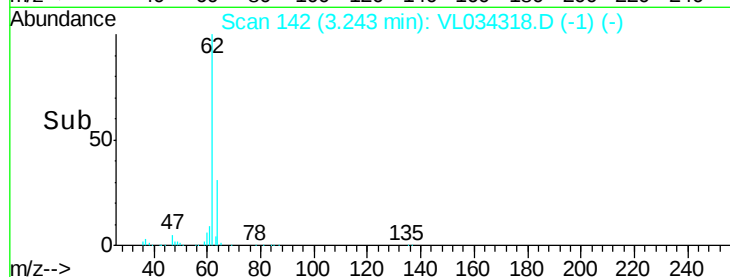
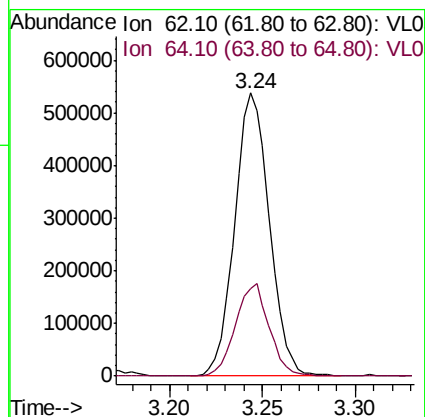
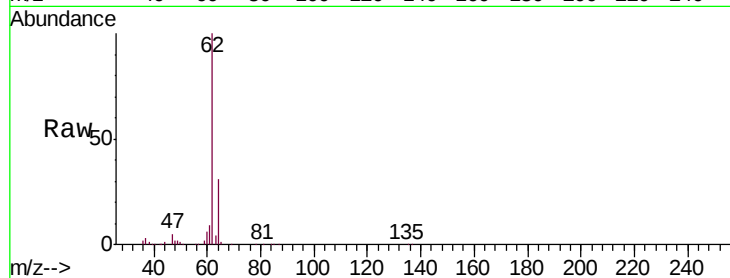
VL1017ABS01

Tgt Ion: 62 Resp: 696927

Ion Ratio Lower Upper

62 100

64 30.8 26.0 39.0



#6

Bromomethane

Concen: 10.520 ppbv

RT: 3.46 min Scan# 210

Delta R.T. 0.00 min

Lab File: VL034318.D

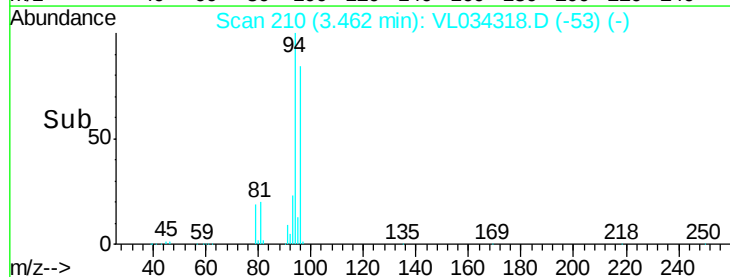
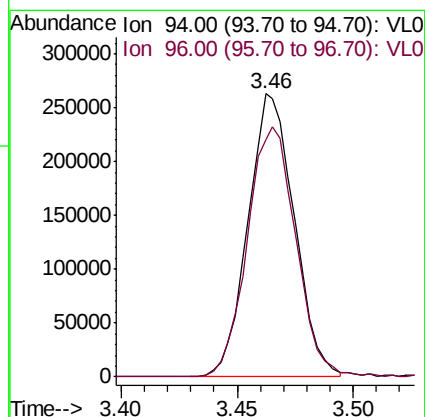
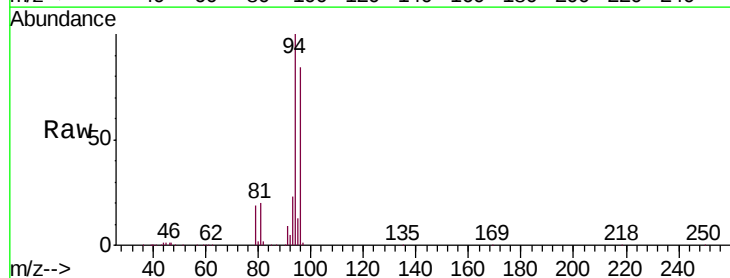
Acq: 17 Oct 2019 15:22

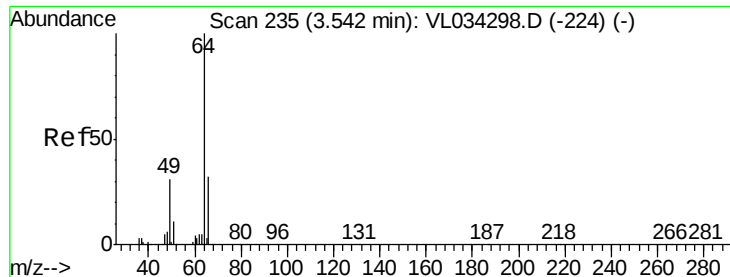
Tgt Ion: 94 Resp: 364133

Ion Ratio Lower Upper

94 100

96 84.0 74.6 112.0





#7

Chloroethane

Concen: 10.208 ppbv

RT: 3.55 min Scan# 237

Delta R.T. 0.01 min

Lab File: VL034318.D

Acq: 17 Oct 2019 15:22

Instrument :

MSVOA_L

ClientSampleId :

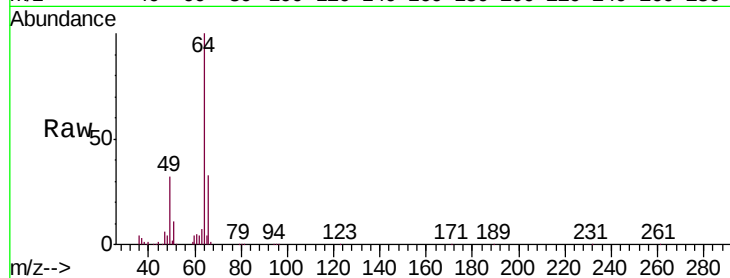
VL1017ABS01

Tgt Ion: 64 Resp: 253969

Ion Ratio Lower Upper

64 100

66 32.7 25.4 38.0



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

200000

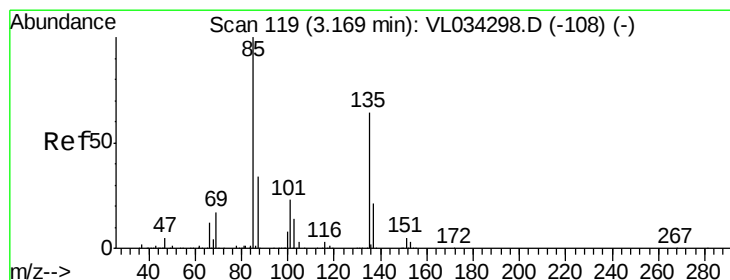
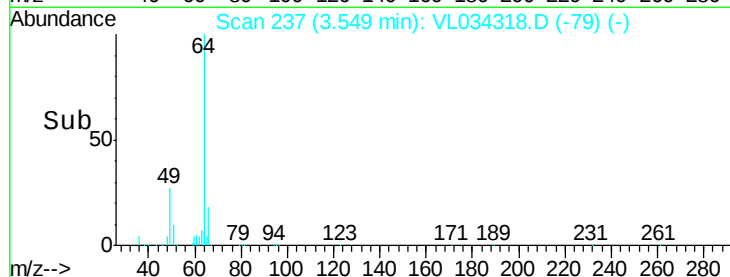
150000

100000

50000

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Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.713 ppbv

RT: 3.17 min Scan# 120

Delta R.T. 0.00 min

Lab File: VL034318.D

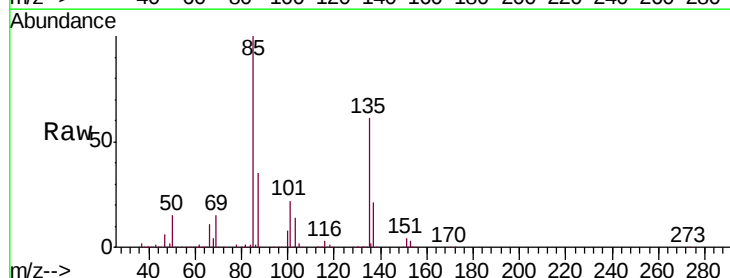
Acq: 17 Oct 2019 15:22

Tgt Ion: 85 Resp: 1551425

Ion Ratio Lower Upper

85 100

135 62.5 50.2 75.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

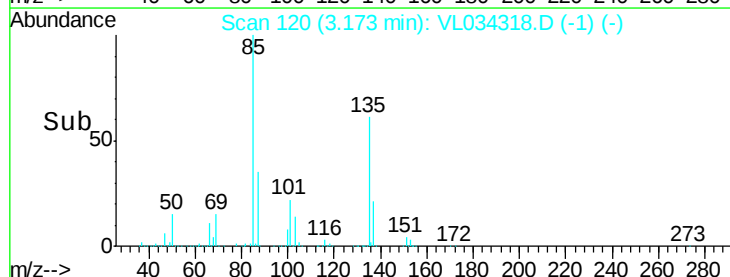
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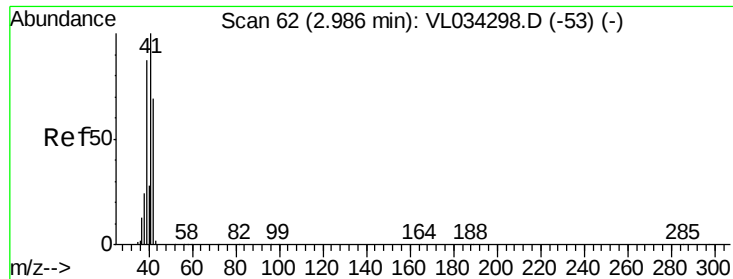
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Time-->





#9

Propene

Concen: 10.220 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.01 min

Lab File: VL034318.D

Acq: 17 Oct 2019 15:22

Instrument :

MSVOA_L

ClientSampleId :

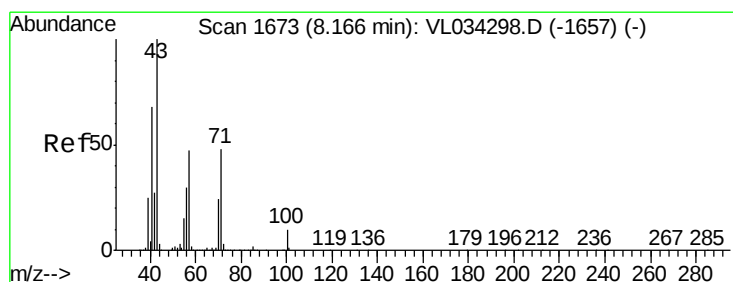
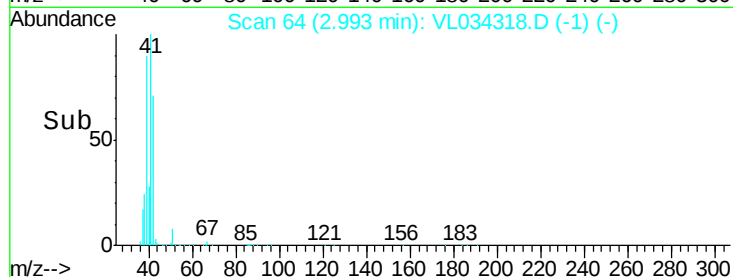
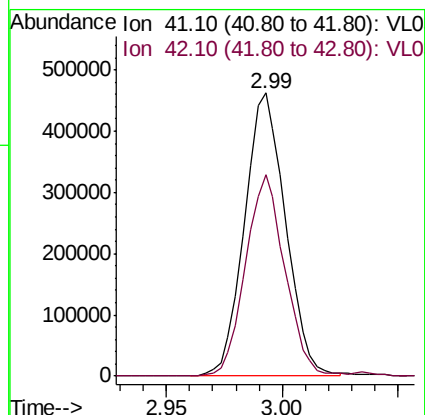
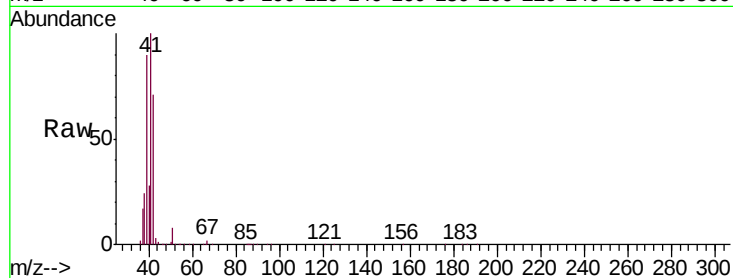
VL1017ABS01

Tgt Ion: 41 Resp: 567799

Ion Ratio Lower Upper

41 100

42 69.1 53.9 80.9



#10

Heptane

Concen: 10.804 ppbv

RT: 8.18 min Scan# 1676

Delta R.T. 0.01 min

Lab File: VL034318.D

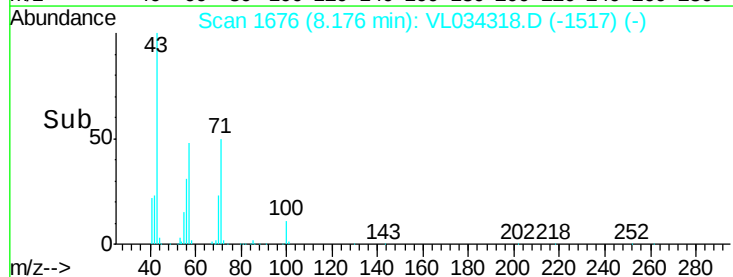
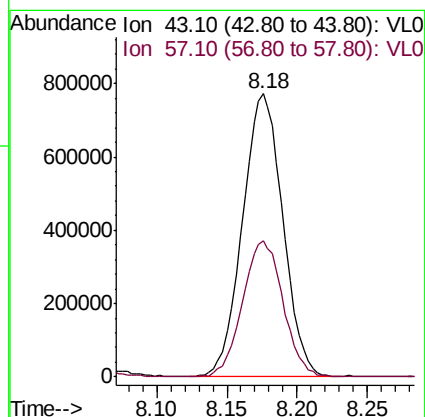
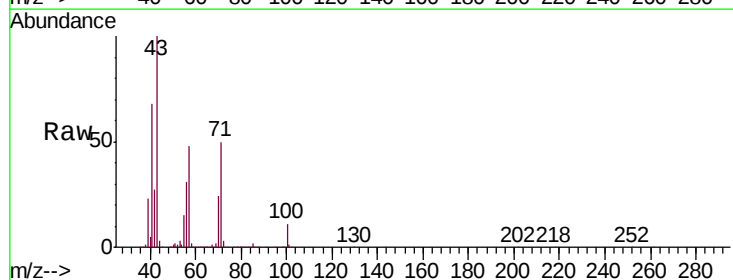
Acq: 17 Oct 2019 15:22

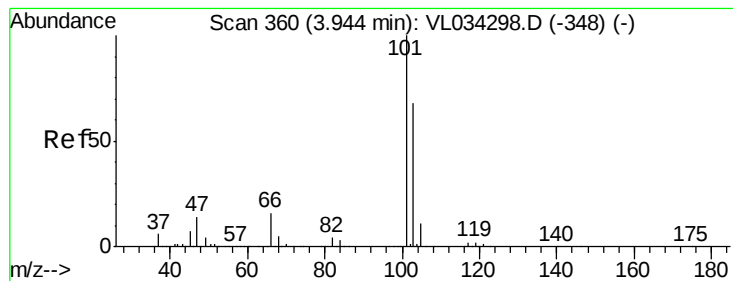
Tgt Ion: 43 Resp: 1540594

Ion Ratio Lower Upper

43 100

57 48.3 39.5 59.3





#11

Trichlorofluoromethane

Concen: 9.863 ppbv

RT: 3.95 min Scan# 362

Delta R.T. 0.01 min

Lab File: VL034318.D

Acq: 17 Oct 2019 15:22

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MSVOA_L

ClientSampleId :

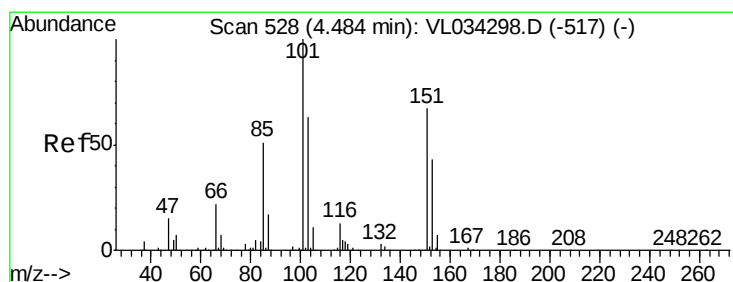
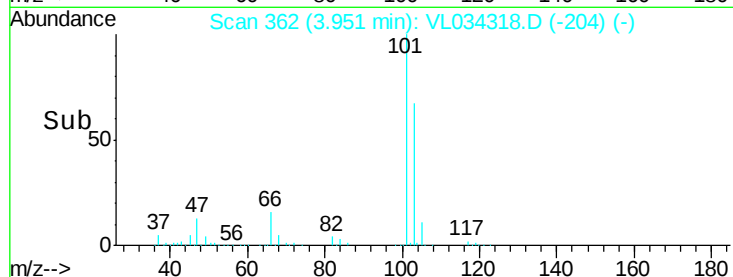
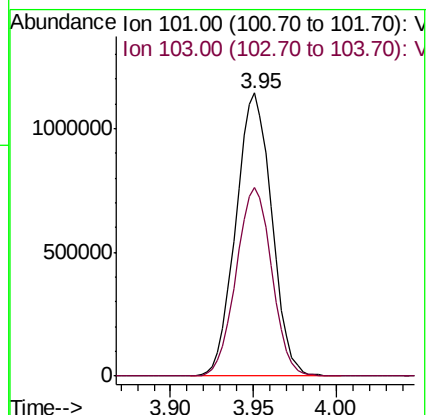
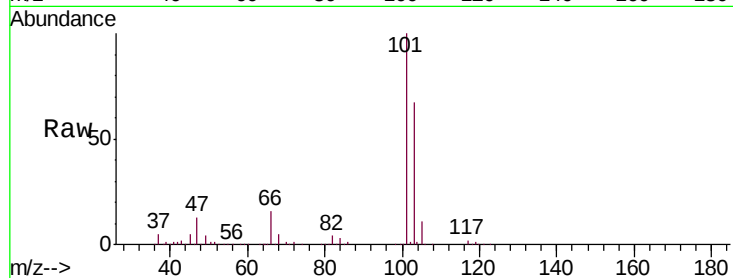
VL1017ABS01

Tgt Ion:101 Resp: 1726099

Ion Ratio Lower Upper

101 100

103 66.8 54.5 81.7



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.182 ppbv

RT: 4.49 min Scan# 531

Delta R.T. 0.01 min

Lab File: VL034318.D

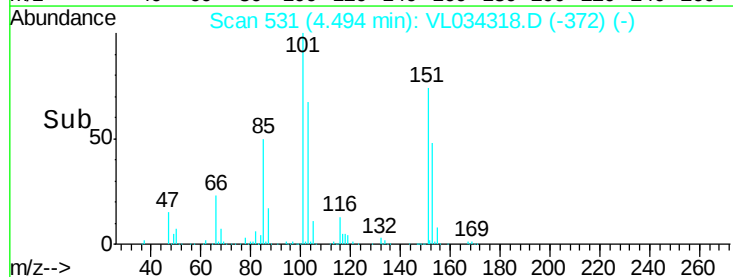
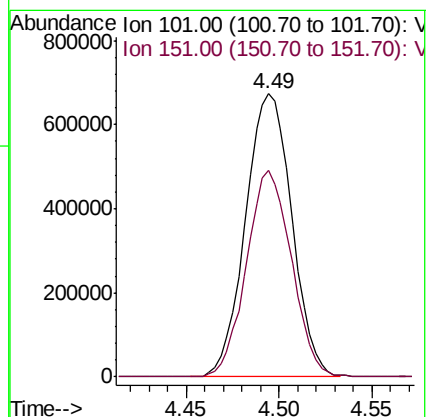
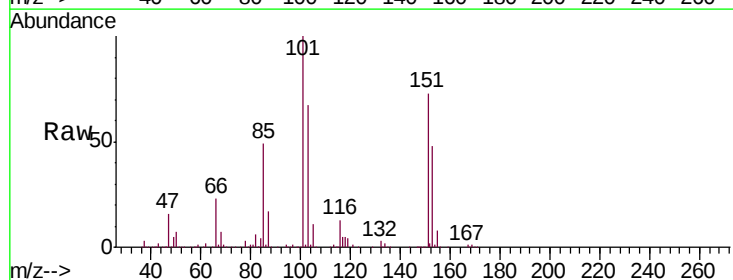
Acq: 17 Oct 2019 15:22

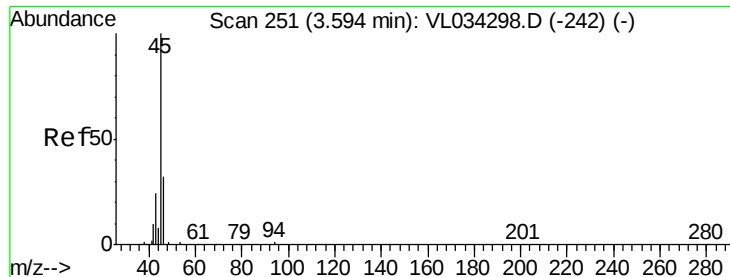
Tgt Ion:101 Resp: 1167431

Ion Ratio Lower Upper

101 100

151 71.3 57.4 86.2





#13

Ethanol

Concen: 10.558 ppbv

RT: 3.60 min Scan# 253

Delta R.T. 0.01 min

Lab File: VL034318.D

Acq: 17 Oct 2019 15:22

Instrument :

MSVOA_L

ClientSampleId :

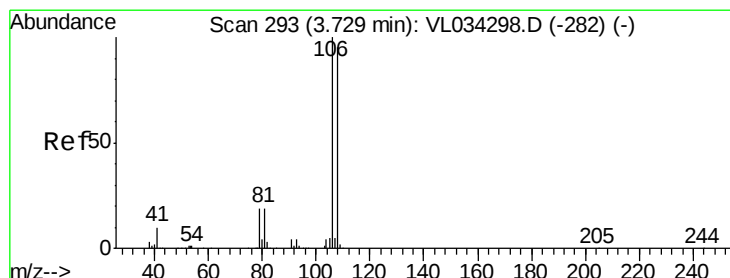
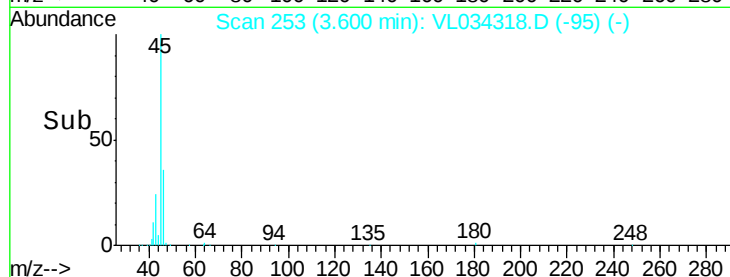
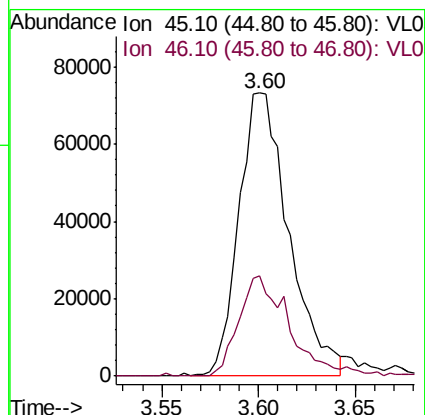
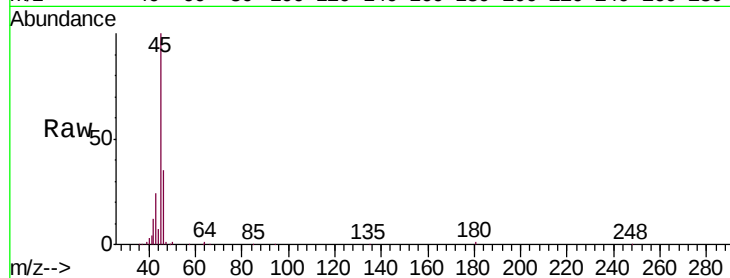
VL1017ABS01

Tgt Ion: 45 Resp: 131336

Ion Ratio Lower Upper

45 100

46 36.6 15.8 63.2



#14

Bromoethene

Concen: 10.620 ppbv

RT: 3.74 min Scan# 295

Delta R.T. 0.01 min

Lab File: VL034318.D

Acq: 17 Oct 2019 15:22

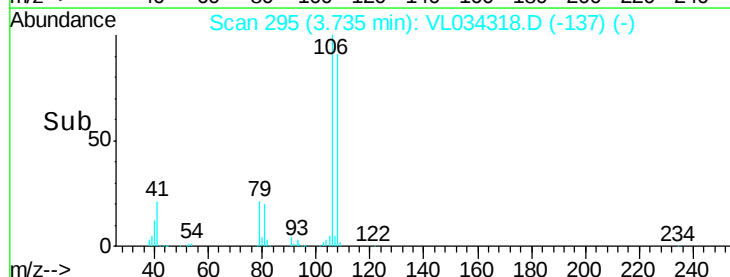
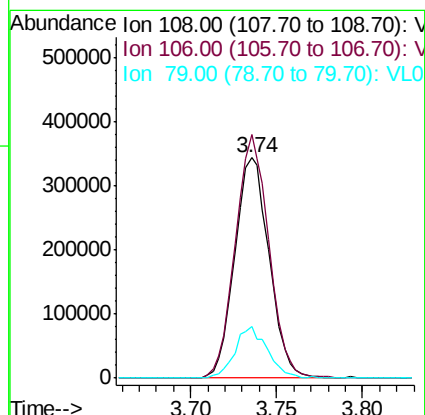
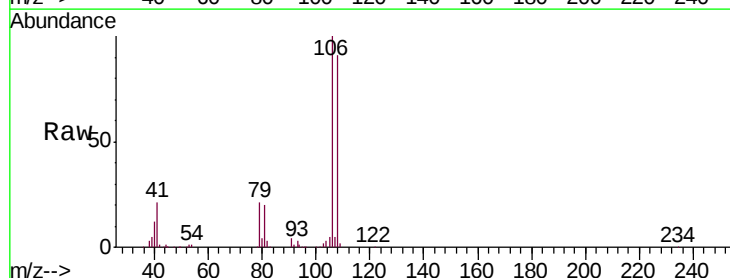
Tgt Ion: 108 Resp: 479407

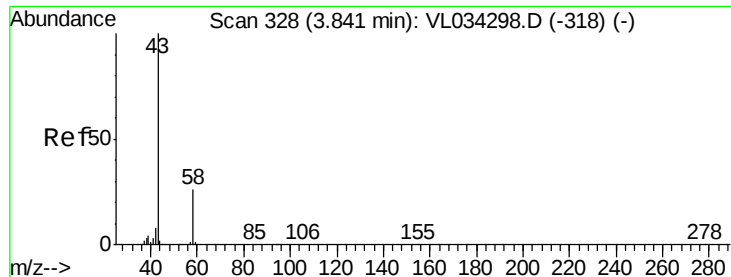
Ion Ratio Lower Upper

108 100

106 107.8 84.8 127.2

79 22.2 17.0 25.4





#15

Acetone

Concen: 8.635 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.01 min

Lab File: VL034318.D

Acq: 17 Oct 2019 15:22

Instrument :

MSVOA_L

ClientSampleId :

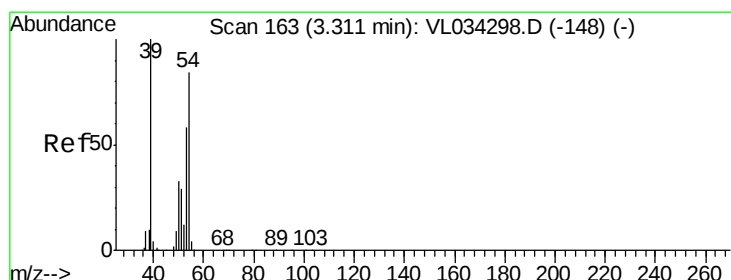
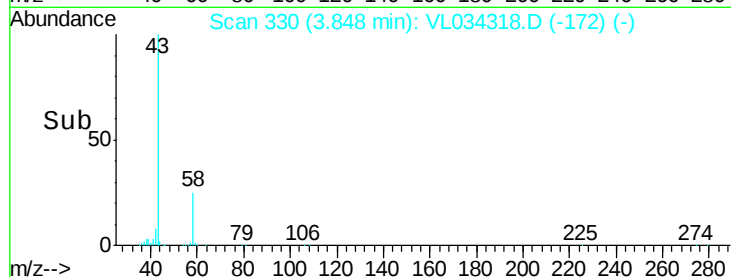
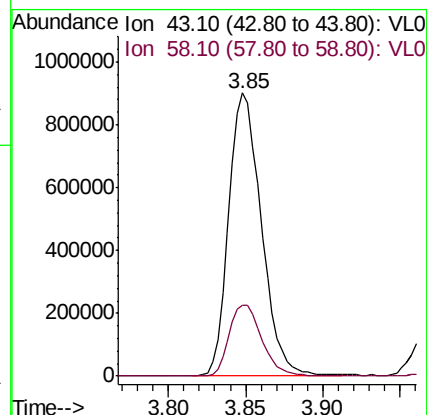
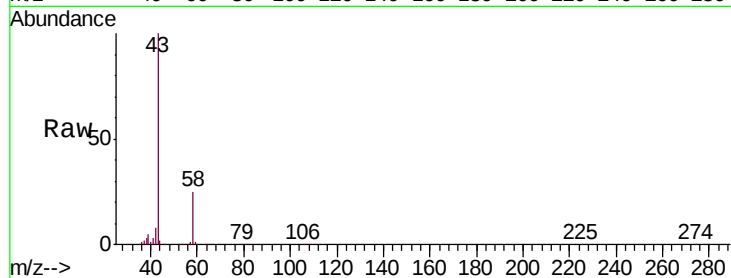
VL1017ABS01

Tgt Ion: 43 Resp: 1320632

Ion Ratio Lower Upper

43 100

58 25.5 20.4 30.6



#16

1,3-Butadiene

Concen: 10.438 ppbv

RT: 3.31 min Scan# 164

Delta R.T. 0.00 min

Lab File: VL034318.D

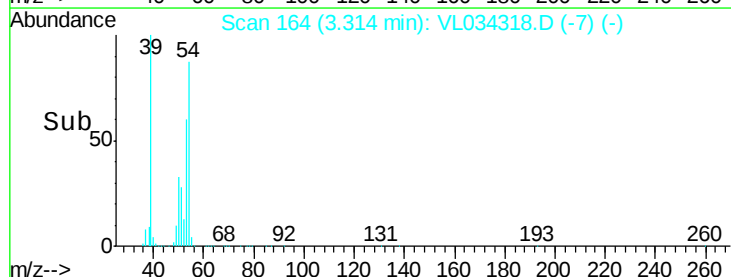
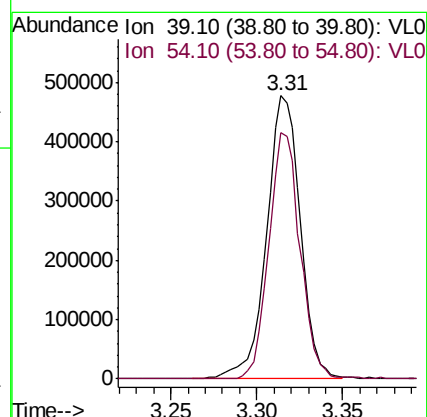
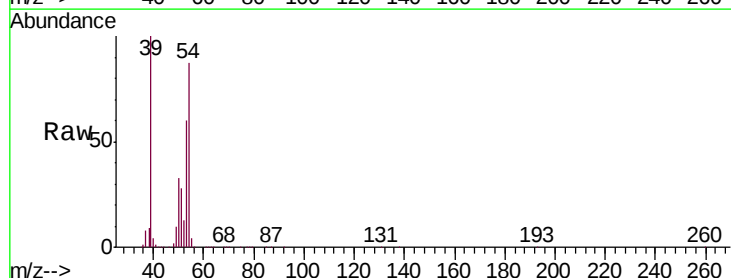
Acq: 17 Oct 2019 15:22

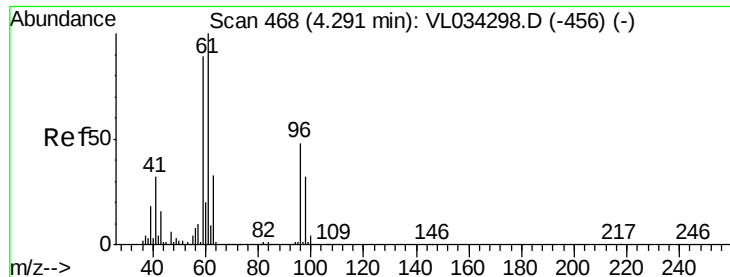
Tgt Ion: 39 Resp: 648616

Ion Ratio Lower Upper

39 100

54 81.1 63.9 95.9





#17

tert-Butyl alcohol

Concen: 12.216 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.01 min

Lab File: VL034318.D

Acq: 17 Oct 2019 15:22

Instrument :

MSVOA_L

ClientSampleId :

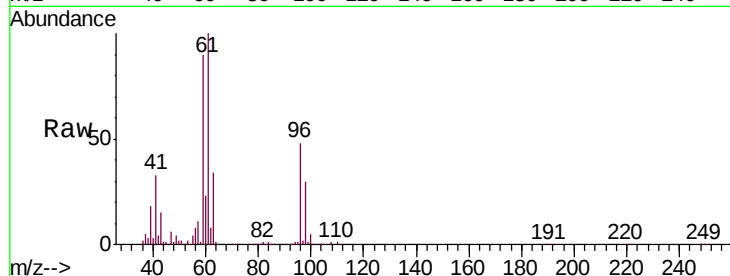
VL1017ABS01

Tgt Ion: 59 Resp: 1192438

Ion Ratio Lower Upper

59 100

57 11.2 8.8 13.2



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.30

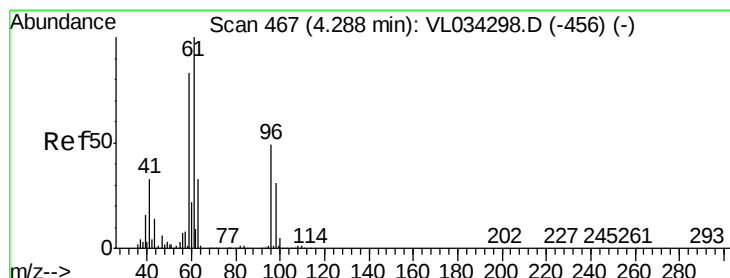
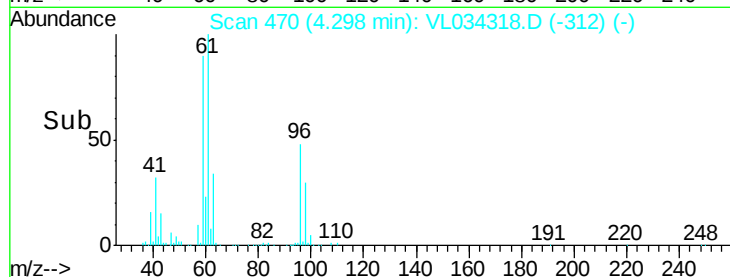
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 10.221 ppbv

RT: 4.29 min Scan# 469

Delta R.T. 0.01 min

Lab File: VL034318.D

Acq: 17 Oct 2019 15:22

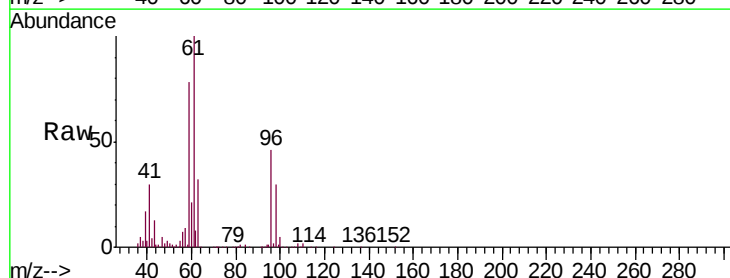
Tgt Ion: 96 Resp: 513133

Ion Ratio Lower Upper

96 100

61 218.0 164.5 246.7

98 64.5 51.7 77.5



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

1000000

800000

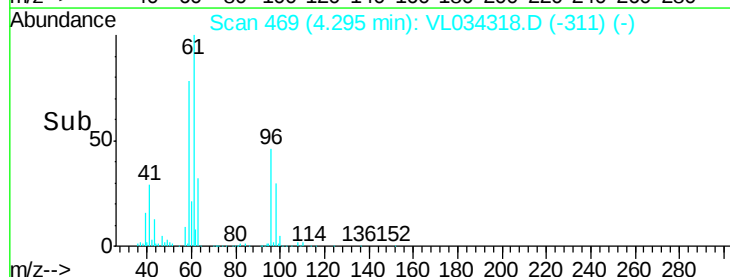
600000

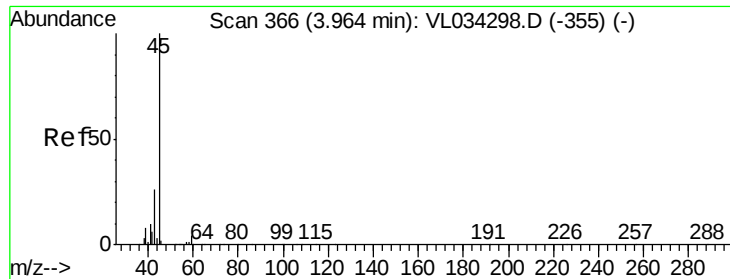
400000

200000

0

Time-->

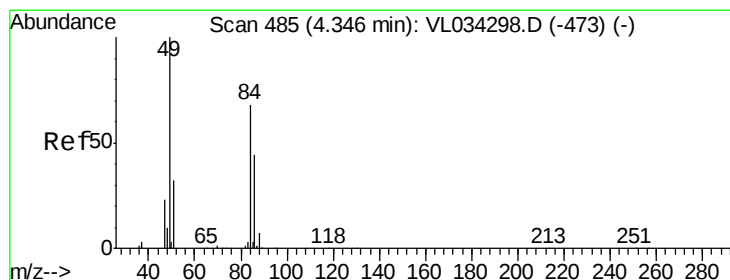
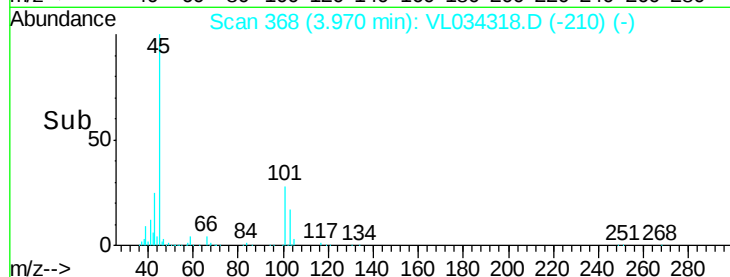
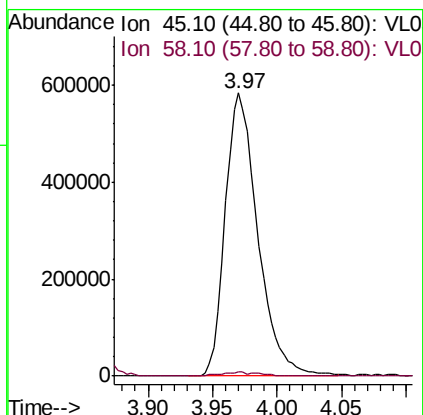
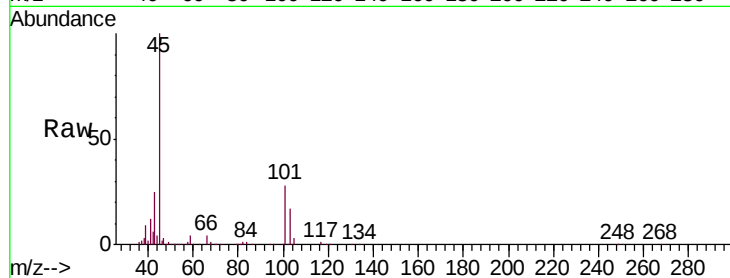




#19
Isopropyl Alcohol
Concen: 12.020 ppbv
RT: 3.97 min Scan# 368
Delta R.T. 0.01 min
Lab File: VL034318.D
Acq: 17 Oct 2019 15:22

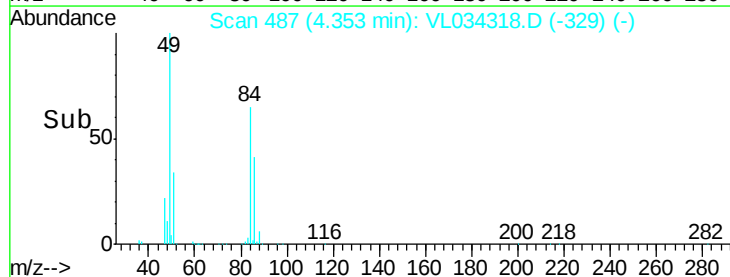
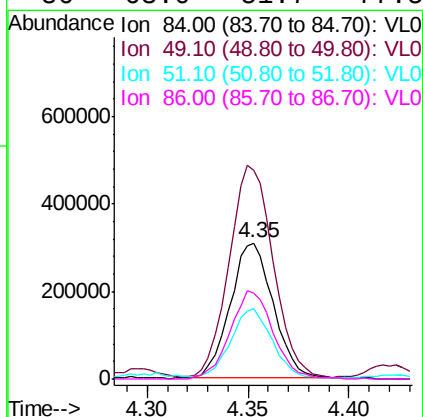
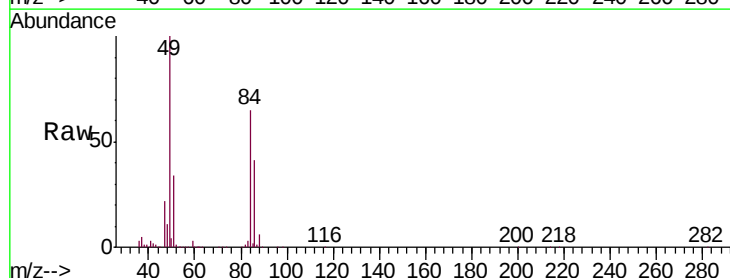
Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

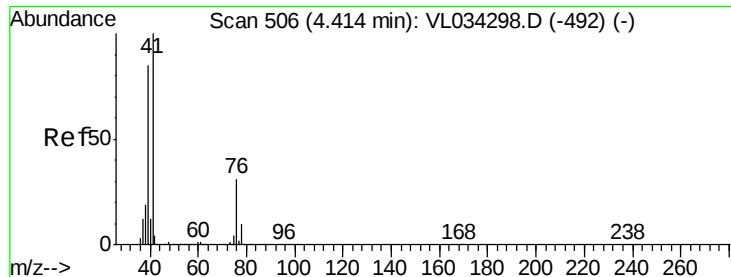
Tgt Ion: 45 Resp: 1025527
Ion Ratio Lower Upper
45 100
58 1.9 1.4 2.2



#20
Methylene Chloride
Concen: 8.345 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.01 min
Lab File: VL034318.D
Acq: 17 Oct 2019 15:22

Tgt Ion: 84 Resp: 461412
Ion Ratio Lower Upper
84 100
49 152.9 118.5 177.7
51 51.5 38.8 58.2
86 63.0 51.7 77.5





#21

Allyl Chloride

Concen: 10.839 ppbv

RT: 4.42 min Scan# 508

Delta R.T. 0.01 min

Lab File: VL034318.D

Acq: 17 Oct 2019 15:22

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01

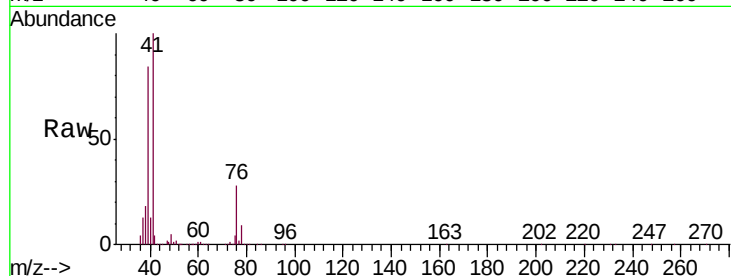
Tgt Ion: 41 Resp: 916477

Ion Ratio Lower Upper

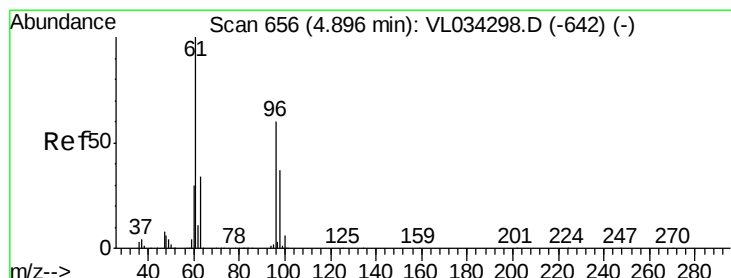
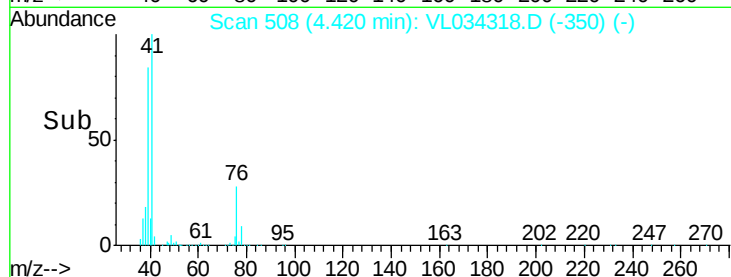
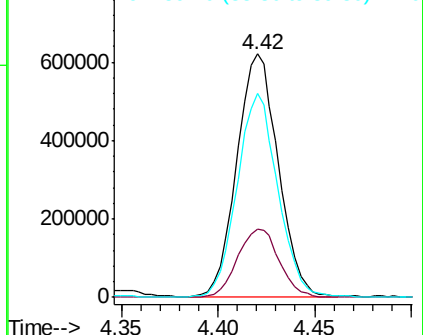
41 100

76 28.5 22.8 34.2

39 82.8 66.0 99.0



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 10.610 ppbv

RT: 4.90 min Scan# 658

Delta R.T. 0.01 min

Lab File: VL034318.D

Acq: 17 Oct 2019 15:22

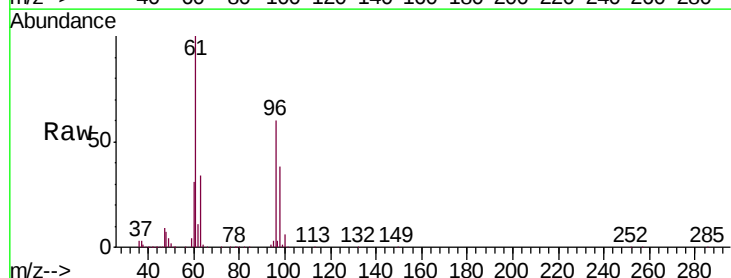
Tgt Ion: 96 Resp: 531298

Ion Ratio Lower Upper

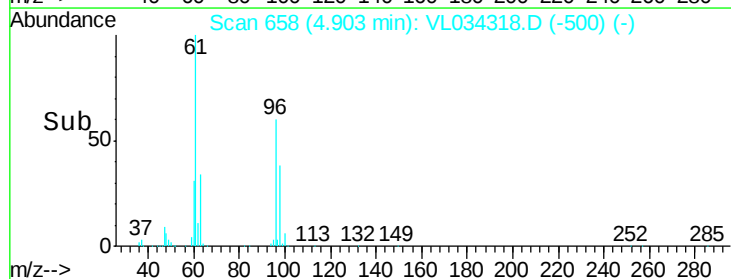
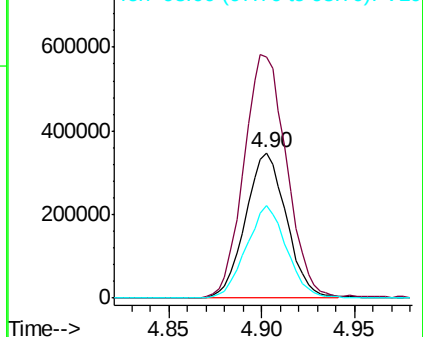
96 100

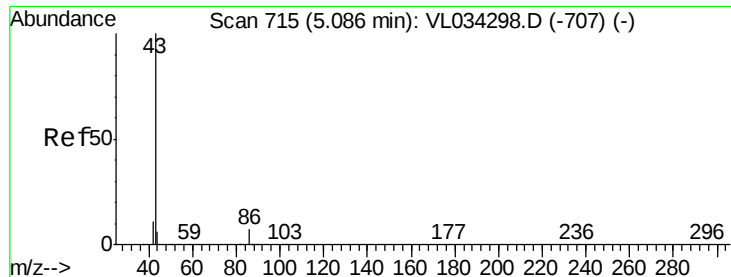
61 165.4 133.8 200.6

98 63.5 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: 10.757 ppbv

RT: 5.09 min Scan# 717

Delta R.T. 0.01 min

Lab File: VL034318.D

Acq: 17 Oct 2019 15:22

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01

Tgt Ion: 43 Resp: 2054565

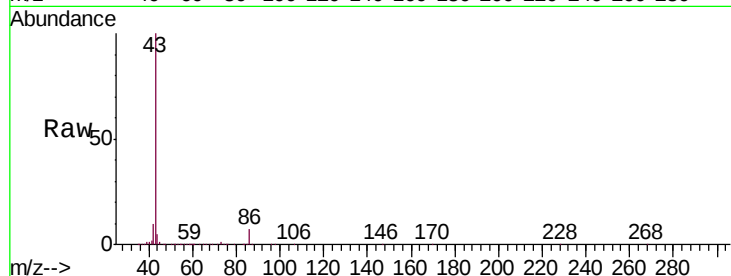
Ion	Ratio	Lower	Upper
43	100		
86	6.7	5.0	7.4
42	9.8	8.6	13.0
44	5.3	4.8	7.2

43 100

86 6.7 5.0 7.4

42 9.8 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

1500000

1000000

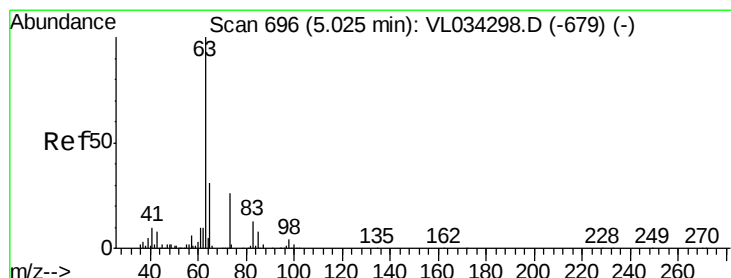
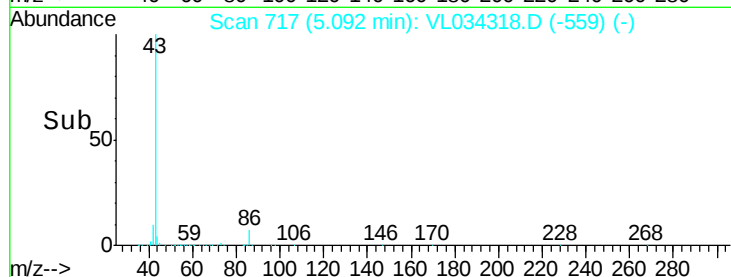
500000

0

5.09

5.05 5.10 5.15

Time-->



#24

1,1-Dichloroethane

Concen: 10.088 ppbv

RT: 5.03 min Scan# 698

Delta R.T. 0.01 min

Lab File: VL034318.D

Acq: 17 Oct 2019 15:22

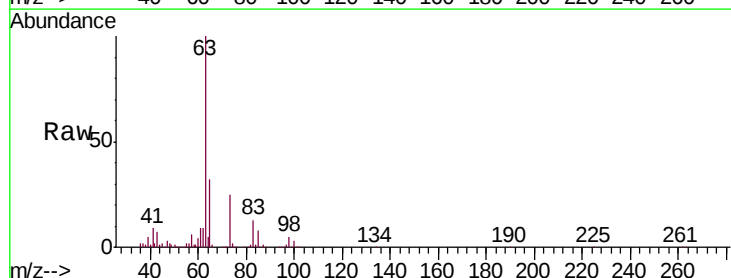
Tgt Ion: 63 Resp: 1430002

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.0	6.0
100	2.5	1.1	3.5

63 100

98 4.4 2.0 6.0

100 2.5 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

1000000

800000

600000

400000

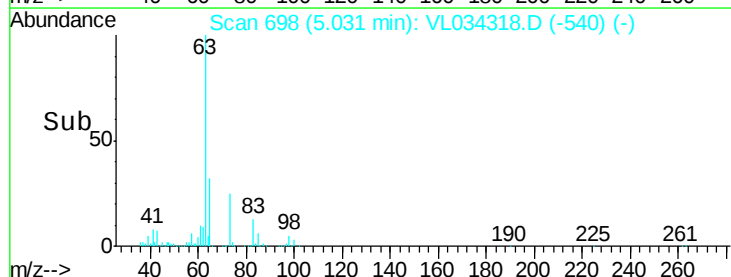
200000

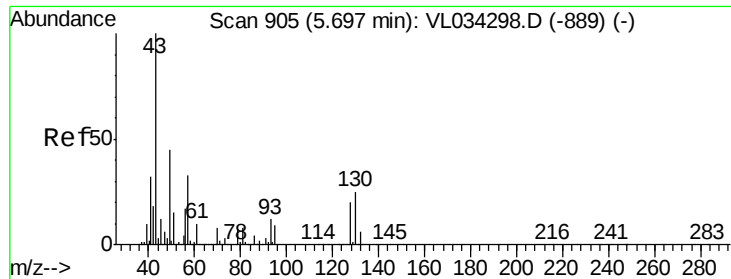
0

5.03

4.95 5.00 5.05 5.10

Time-->



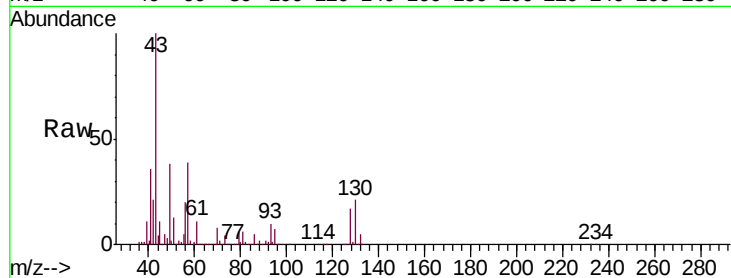


#25
Ethyl Acetate
Concen: 9.953 ppbv
RT: 5.71 min Scan# 908
Delta R.T. 0.01 min
Lab File: VL034318.D
Acq: 17 Oct 2019 15:22

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

Tgt Ion: 43 Resp: 2569812

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.3	12.5
61	9.3	7.7	11.5
70	7.1	5.4	8.2



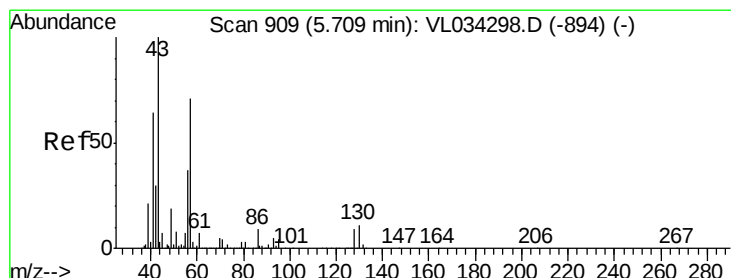
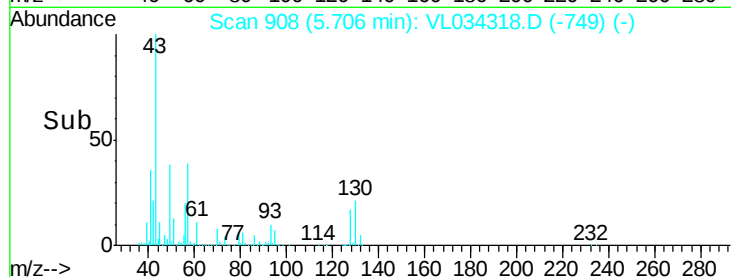
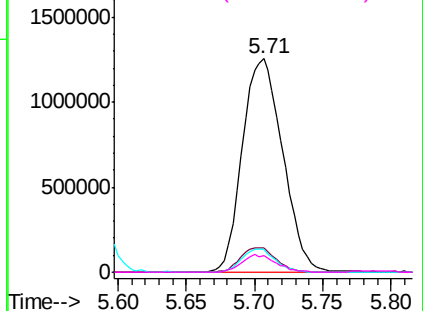
Abundance

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: 10.076 ppbv
RT: 5.72 min Scan# 911
Delta R.T. 0.01 min
Lab File: VL034318.D
Acq: 17 Oct 2019 15:22

Tgt Ion: 57 Resp: 1108895

Ion	Ratio	Lower	Upper
57	100		
41	93.7	76.5	114.7
43	233.2	188.5	282.7
56	52.8	42.8	64.2

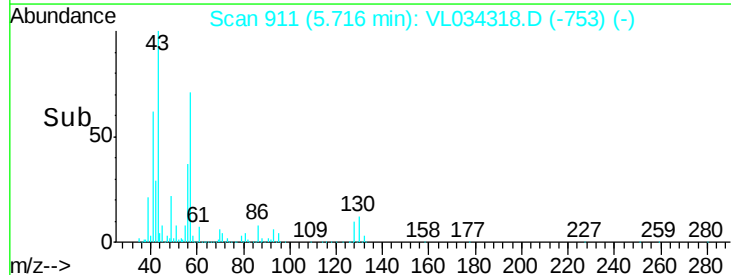
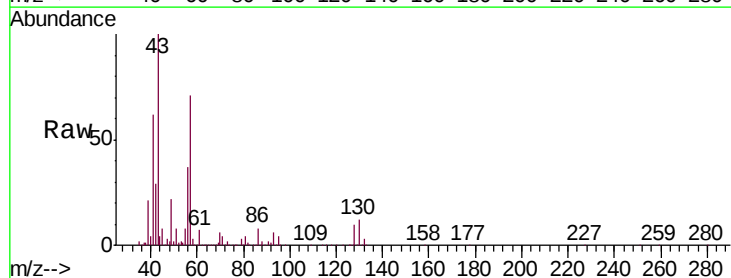
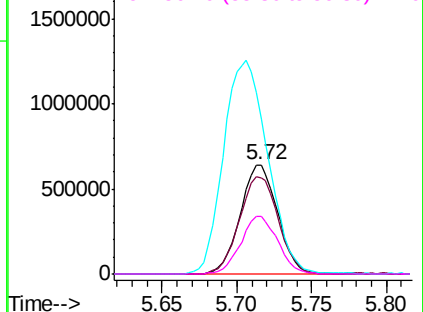
Abundance

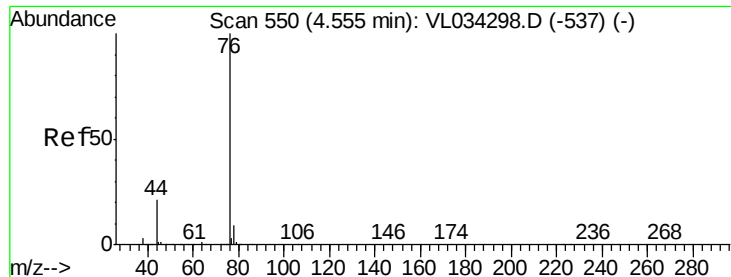
Ion 57.10 (56.80 to 57.80): VL0

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: 11.816 ppbv

RT: 4.56 min Scan# 552

Delta R.T. 0.01 min

Lab File: VL034318.D

Acq: 17 Oct 2019 15:22

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01

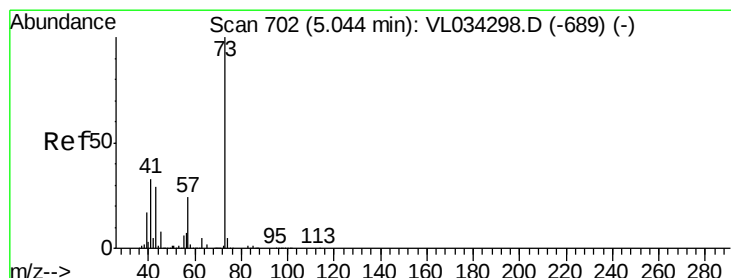
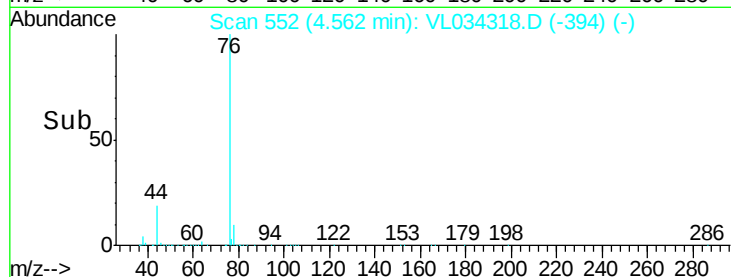
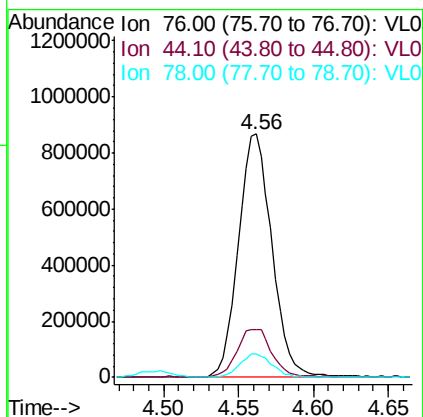
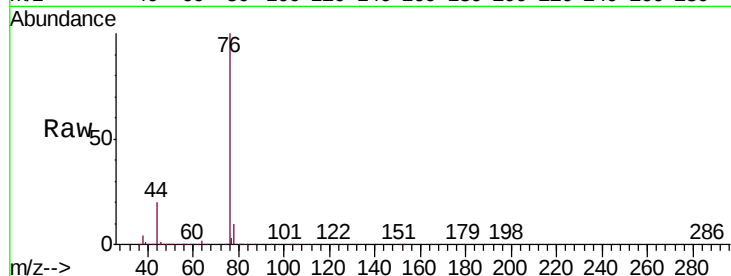
Tgt Ion: 76 Resp: 1350065

Ion Ratio Lower Upper

76 100

44 20.5 17.3 25.9

78 9.3 7.8 11.6



#28

Methyl tert-Butyl Ether

Concen: 10.638 ppbv

RT: 5.05 min Scan# 704

Delta R.T. 0.01 min

Lab File: VL034318.D

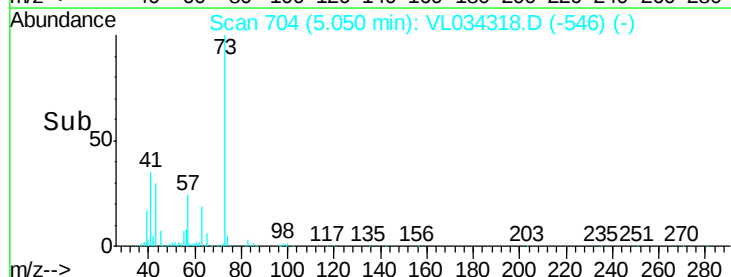
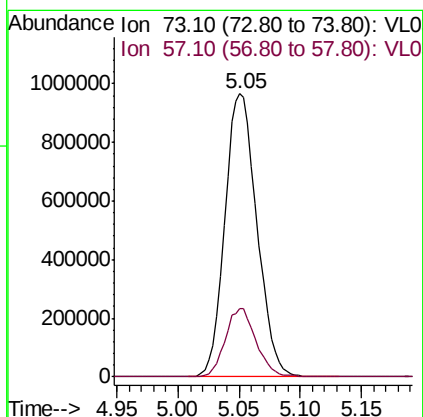
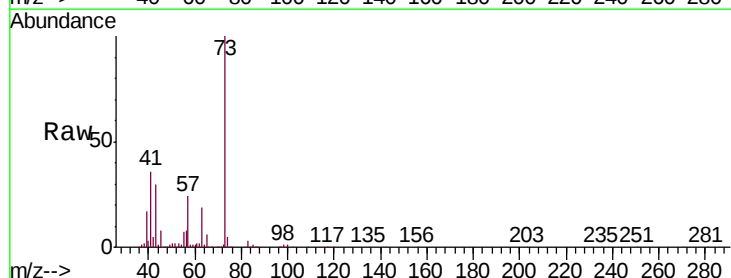
Acq: 17 Oct 2019 15:22

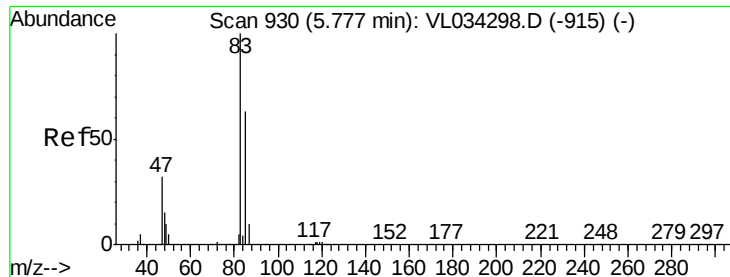
Tgt Ion: 73 Resp: 1771927

Ion Ratio Lower Upper

73 100

57 23.5 19.2 28.8

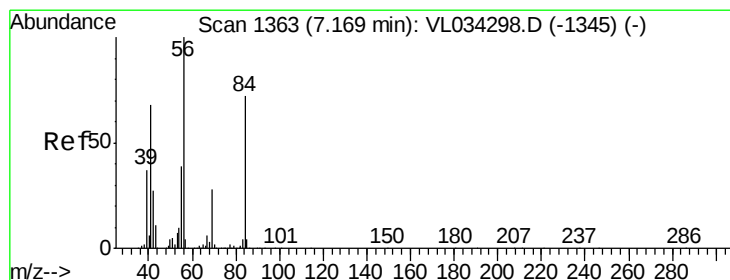
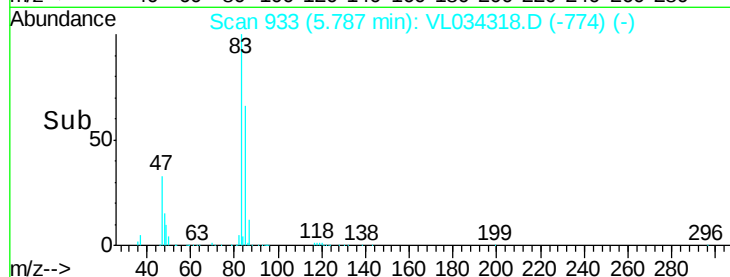
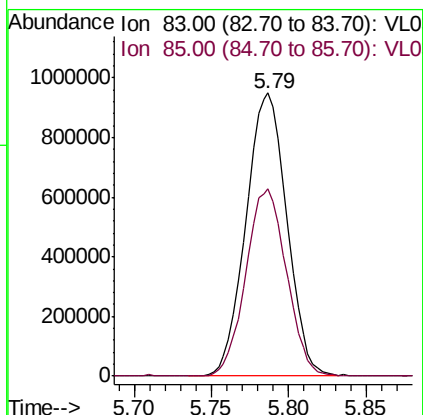
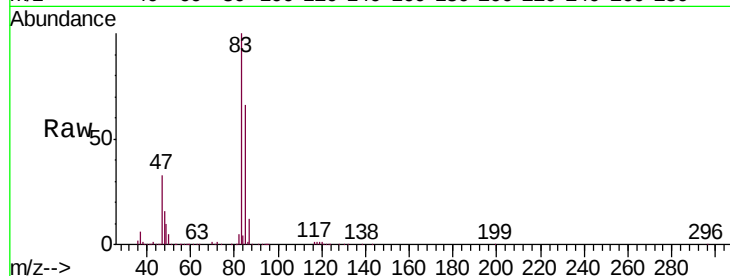




#29
Chloroform
Concen: 10.043 ppbv
RT: 5.79 min Scan# 933
Delta R.T. 0.01 min
Lab File: VL034318.D
Acq: 17 Oct 2019 15:22

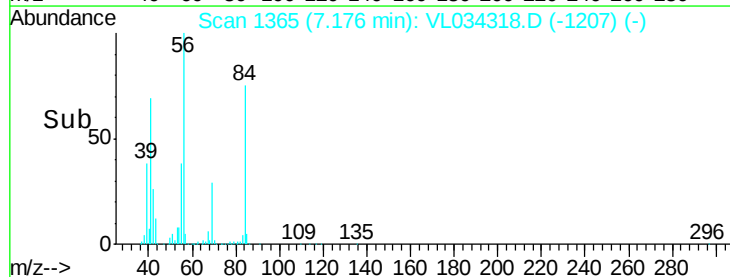
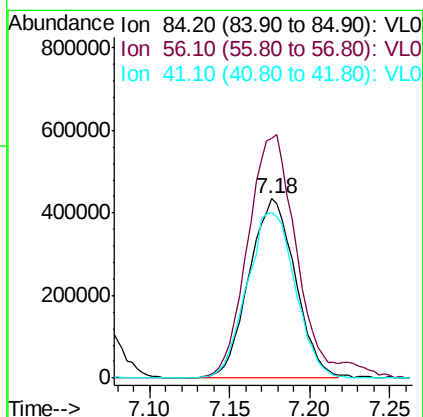
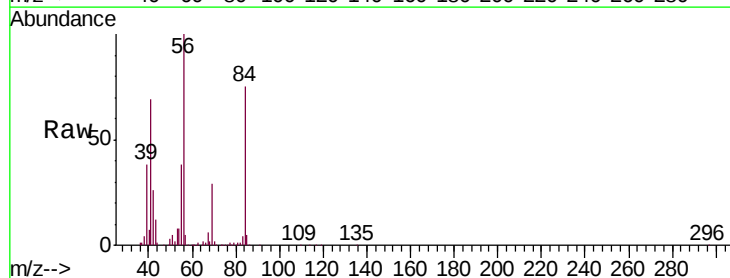
Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

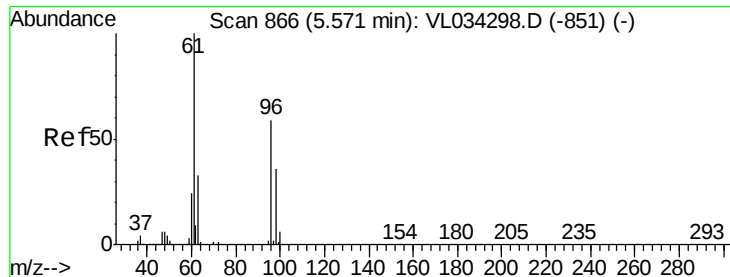
Tgt Ion: 83 Resp: 1748309
Ion Ratio Lower Upper
83 100
85 66.2 50.5 75.7



#30
Cyclohexane
Concen: 10.692 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. 0.01 min
Lab File: VL034318.D
Acq: 17 Oct 2019 15:22

Tgt Ion: 84 Resp: 865364
Ion Ratio Lower Upper
84 100
56 146.6 119.4 179.0
41 96.8 78.7 118.1



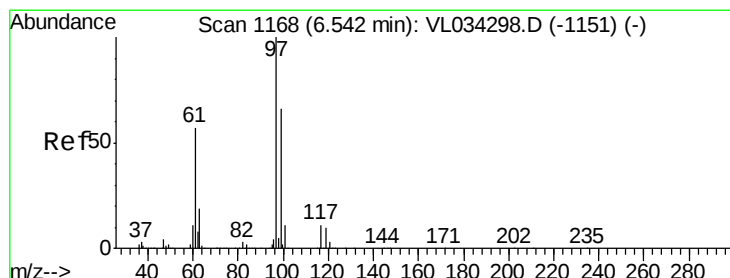
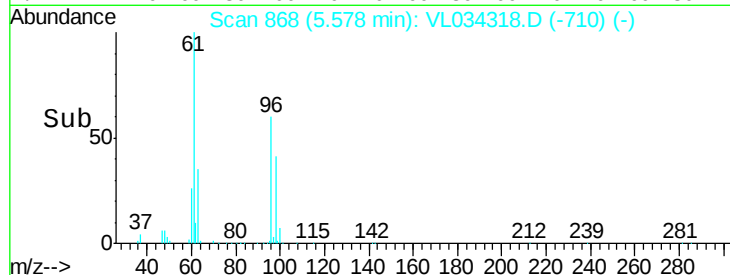
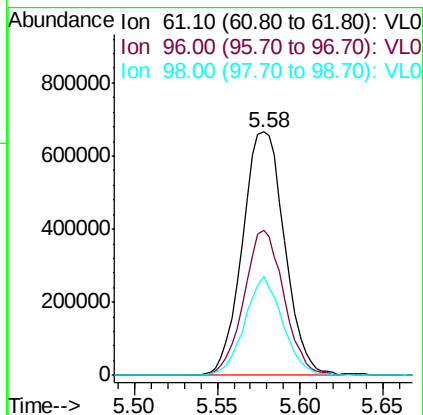
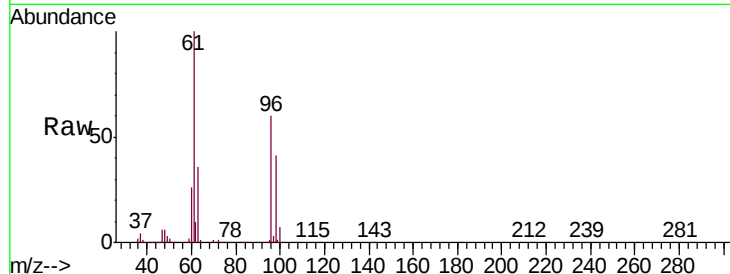


#31

cis-1,2-Dichloroethene
 Concen: 10.574 ppbv
 RT: 5.58 min Scan# 868
 Delta R.T. 0.01 min
 Lab File: VL034318.D
 Acq: 17 Oct 2019 15:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017ABS01

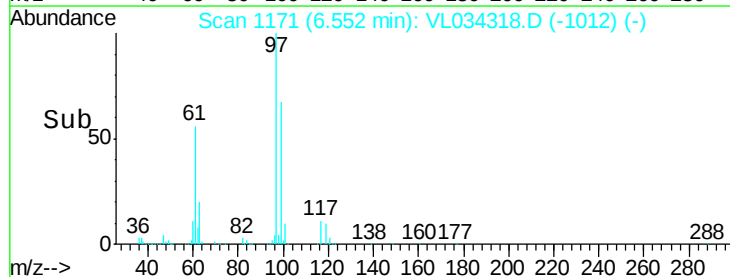
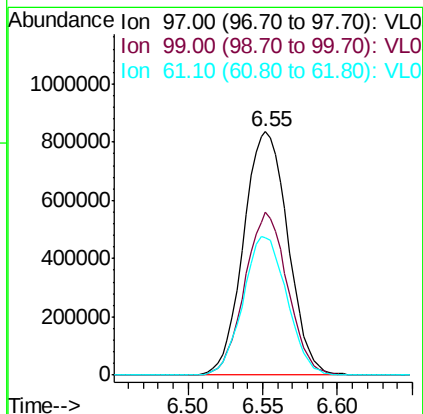
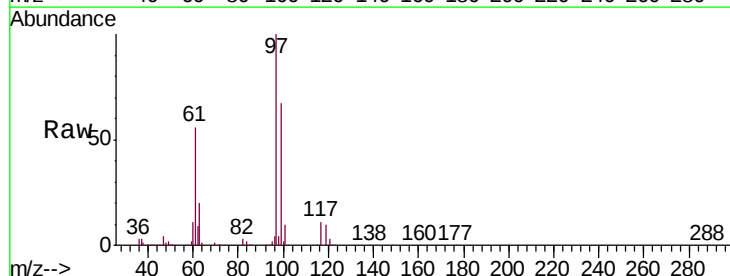
Tgt Ion: 61 Resp: 1181026
 Ion Ratio Lower Upper
 61 100
 96 59.5 47.5 71.3
 98 40.5 28.8 43.2

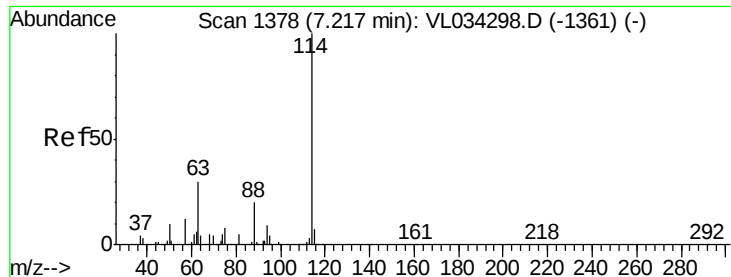


#32

1,1,1-Trichloroethane
 Concen: 10.203 ppbv
 RT: 6.55 min Scan# 1171
 Delta R.T. 0.01 min
 Lab File: VL034318.D
 Acq: 17 Oct 2019 15:22

Tgt Ion: 97 Resp: 1727350
 Ion Ratio Lower Upper
 97 100
 99 64.3 52.6 78.8
 61 56.2 44.5 66.7

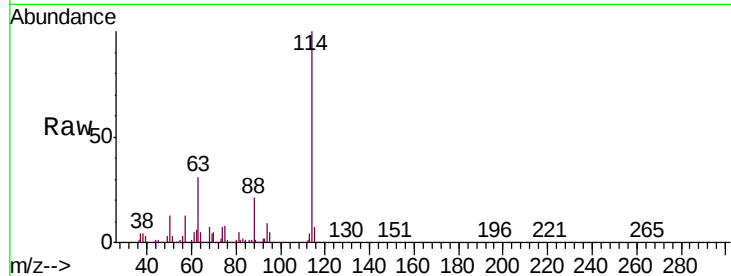




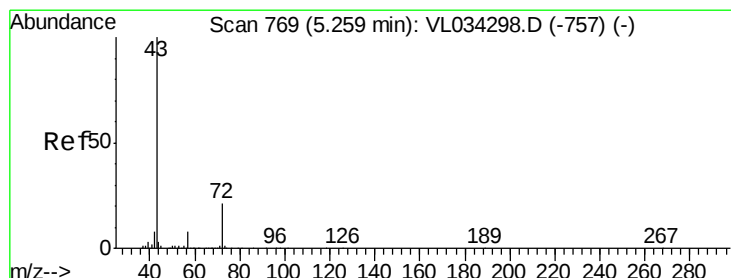
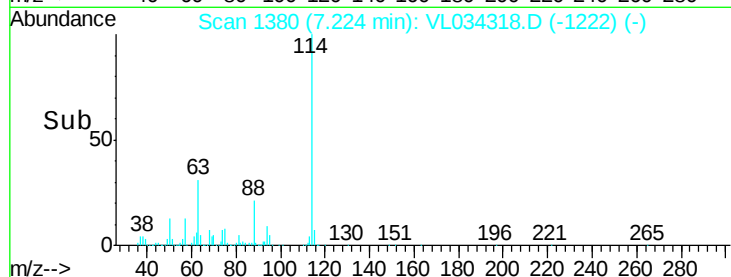
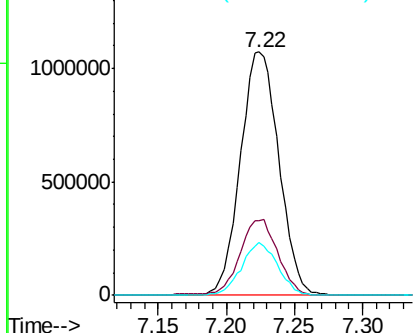
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.22 min Scan# 1380
 Delta R.T. 0.01 min
 Lab File: VL034318.D
 Acq: 17 Oct 2019 15:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017ABS01

Tgt Ion:114 Resp: 2104851
 Ion Ratio Lower Upper
 114 100
 63 31.0 25.2 37.8
 88 20.3 16.0 24.0

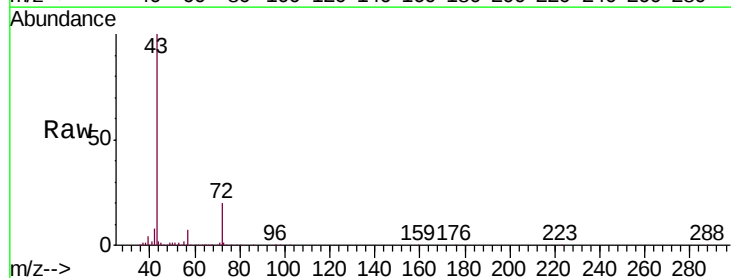


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

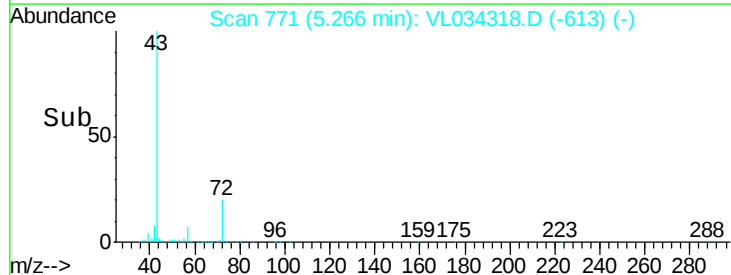
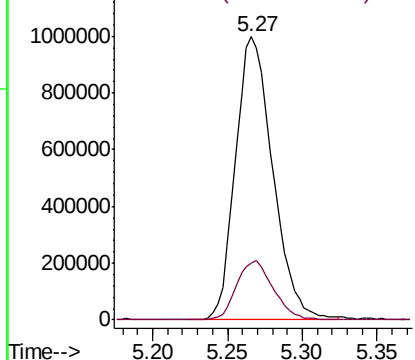


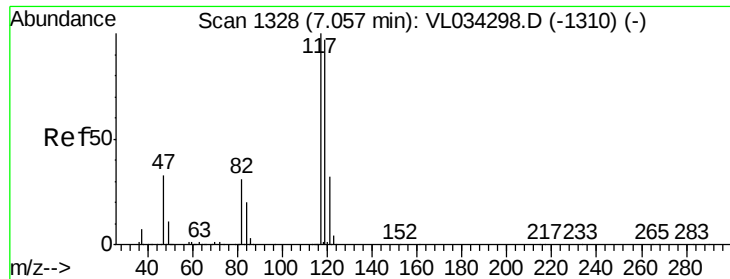
#34
 2-Butanone
 Concen: 10.034 ppbv
 RT: 5.27 min Scan# 771
 Delta R.T. 0.01 min
 Lab File: VL034318.D
 Acq: 17 Oct 2019 15:22

Tgt Ion: 43 Resp: 1726351
 Ion Ratio Lower Upper
 43 100
 72 20.8 16.3 24.5



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

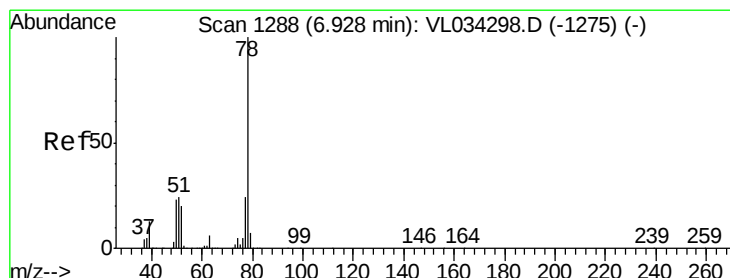
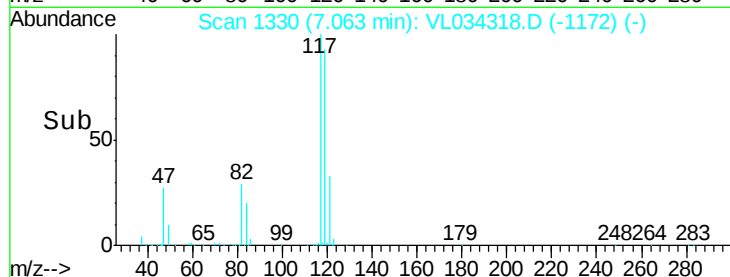
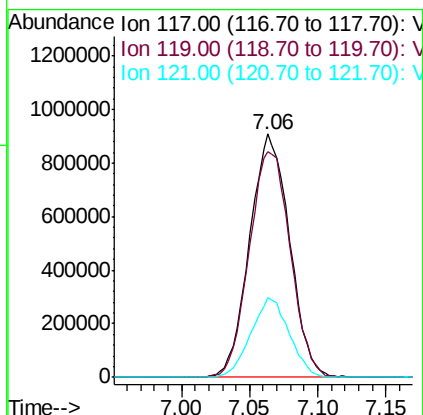
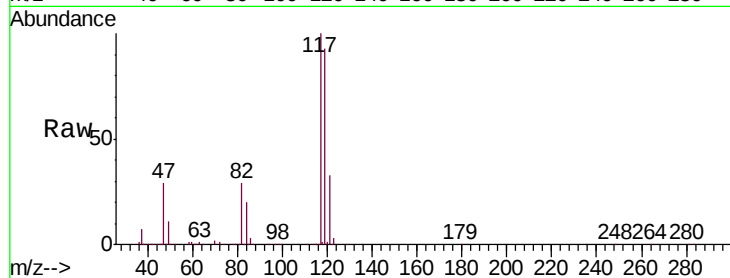




#35
Carbon Tetrachloride
Concen: 10.044 ppbv
RT: 7.06 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VL034318.D
Acq: 17 Oct 2019 15:22

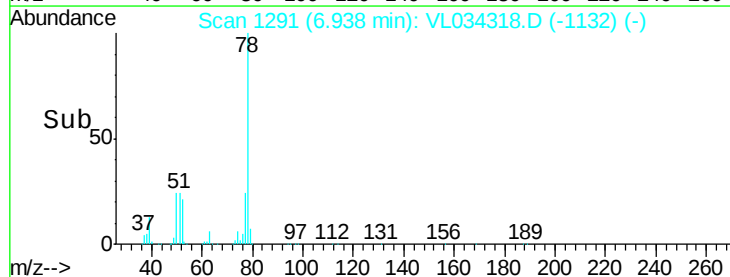
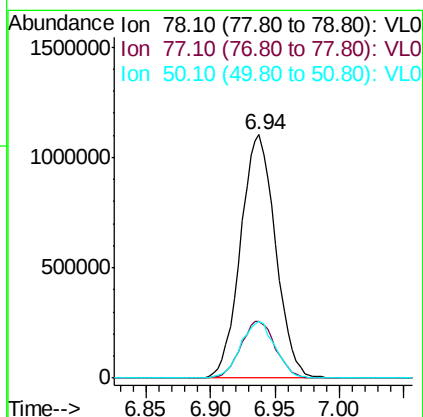
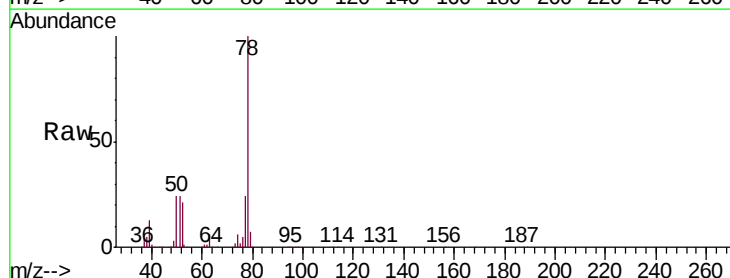
Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

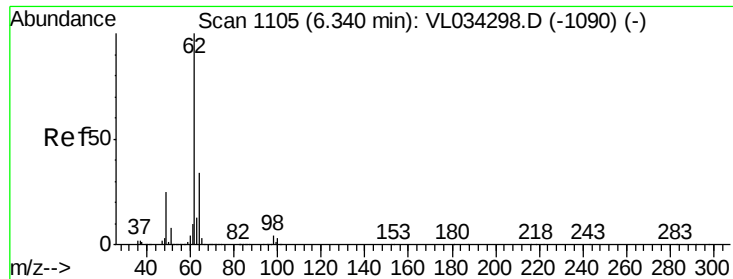
Tgt Ion: 117 Resp: 1841360
Ion Ratio Lower Upper
117 100
119 92.5 77.3 115.9
121 32.6 25.5 38.3



#36
Benzene
Concen: 10.308 ppbv
RT: 6.94 min Scan# 1291
Delta R.T. 0.01 min
Lab File: VL034318.D
Acq: 17 Oct 2019 15:22

Tgt Ion: 78 Resp: 2081806
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4
50 23.5 18.6 27.8

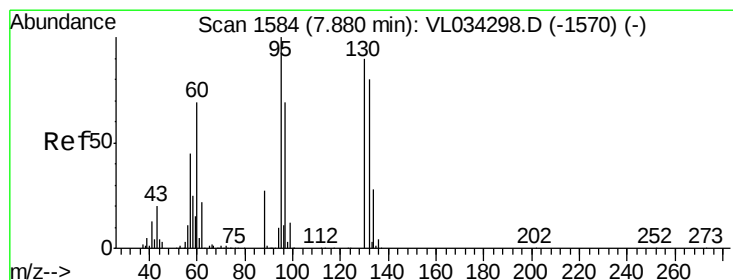
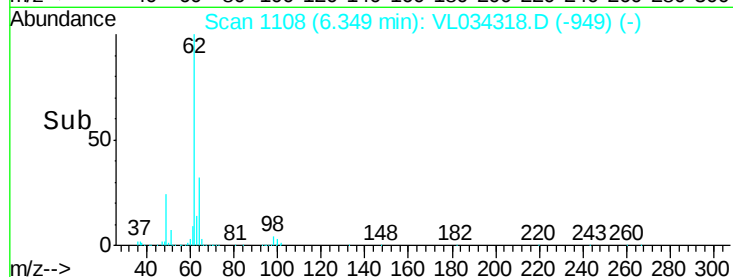
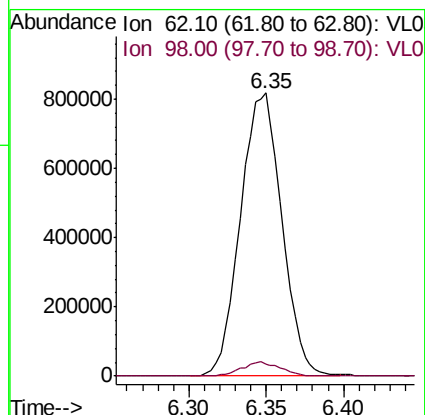
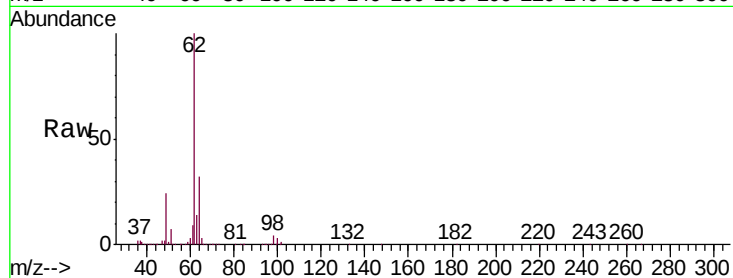




#37
 1,2-Dichloroethane
 Concen: 10.116 ppbv
 RT: 6.35 min Scan# 1108
 Delta R.T. 0.01 min
 Lab File: VL034318.D
 Acq: 17 Oct 2019 15:22

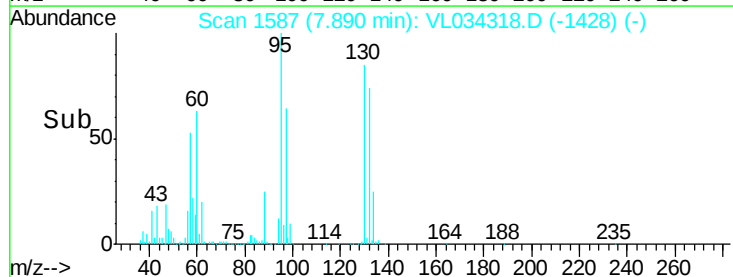
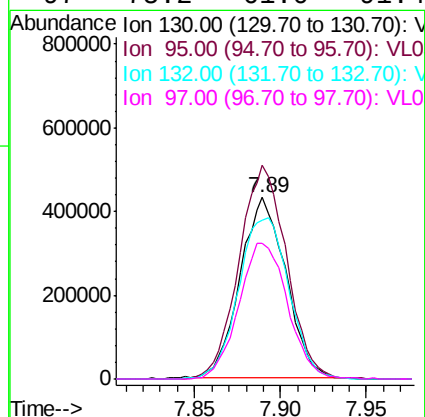
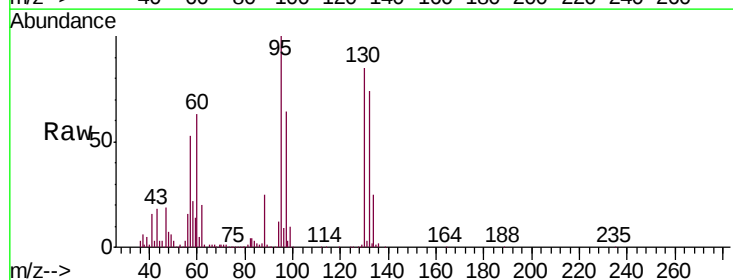
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017ABS01

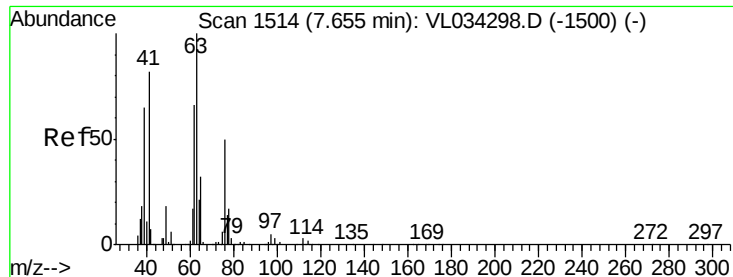
Tgt Ion: 62 Resp: 1522600
 Ion Ratio Lower Upper
 62 100
 98 4.8 3.8 5.6



#38
 Trichloroethene
 Concen: 9.856 ppbv
 RT: 7.89 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VL034318.D
 Acq: 17 Oct 2019 15:22

Tgt Ion: 130 Resp: 798776
 Ion Ratio Lower Upper
 130 100
 95 117.9 88.6 132.8
 132 87.8 71.2 106.8
 97 75.2 61.0 91.4





#39

1,2-Dichloropropane

Concen: 10.275 ppbv

RT: 7.67 min Scan# 1518

Delta R.T. 0.01 min

Lab File: VL034318.D

Acq: 17 Oct 2019 15:22

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01

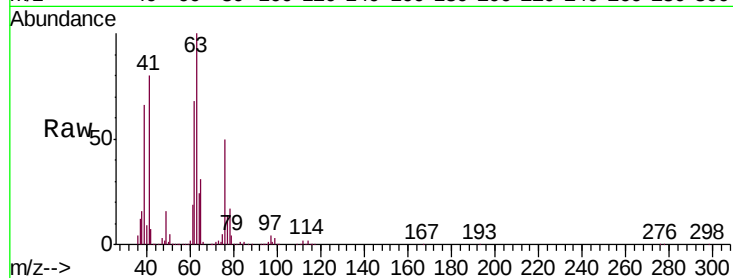
Tgt Ion: 63 Resp: 893491

Ion Ratio Lower Upper

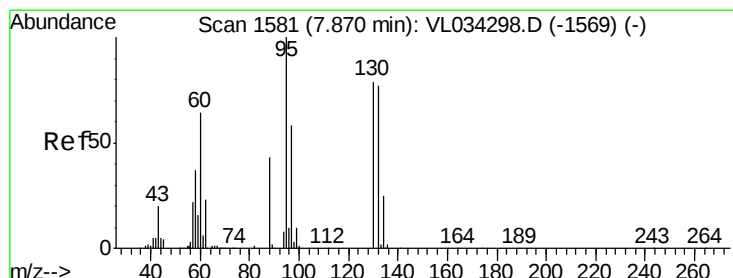
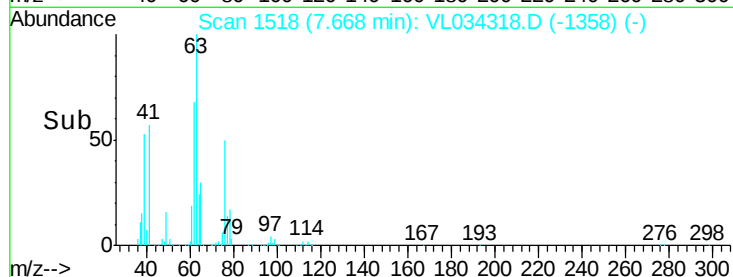
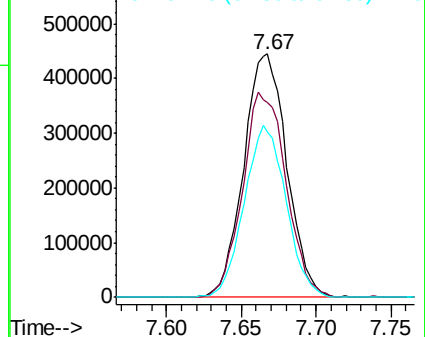
63 100

41 80.2 65.6 98.4

62 67.8 53.0 79.6



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 11.120 ppbv

RT: 7.89 min Scan# 1586

Delta R.T. 0.02 min

Lab File: VL034318.D

Acq: 17 Oct 2019 15:22

Tgt Ion: 88 Resp: 339819

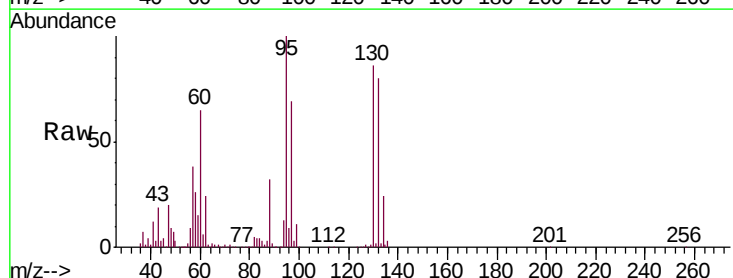
Ion Ratio Lower Upper

88 100

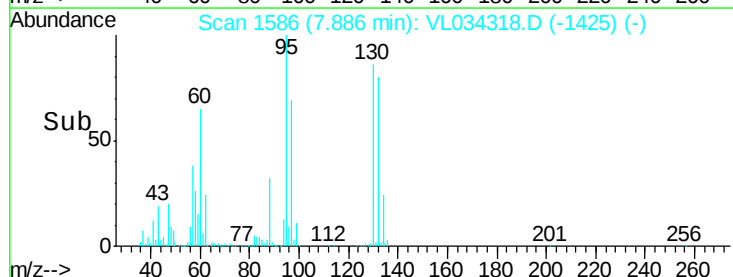
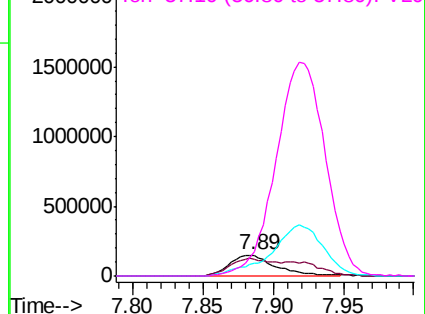
58 136.8 110.3 165.5

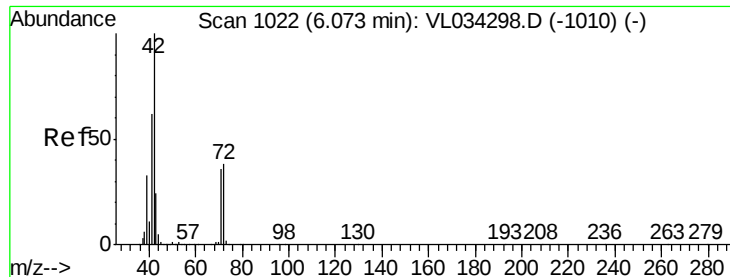
43 277.1 228.1 342.1

57 1102.1 889.3 1333.9



Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 10.426 ppbv

RT: 6.08 min Scan# 1024

Delta R.T. 0.01 min

Lab File: VL034318.D

Acq: 17 Oct 2019 15:22

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01

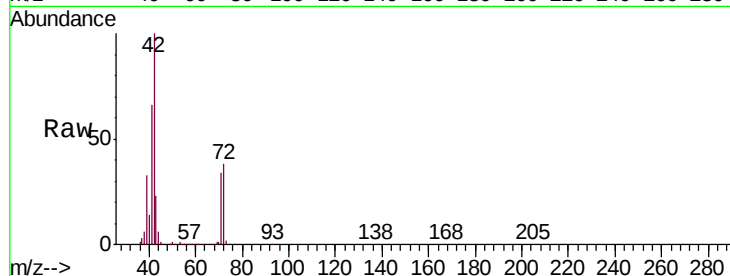
Tgt Ion: 42 Resp: 995518

Ion Ratio Lower Upper

42 100

72 36.5 28.0 42.0

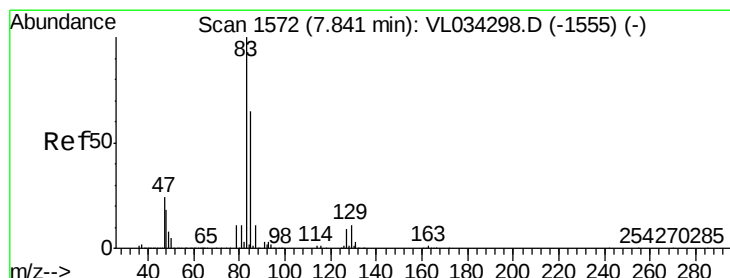
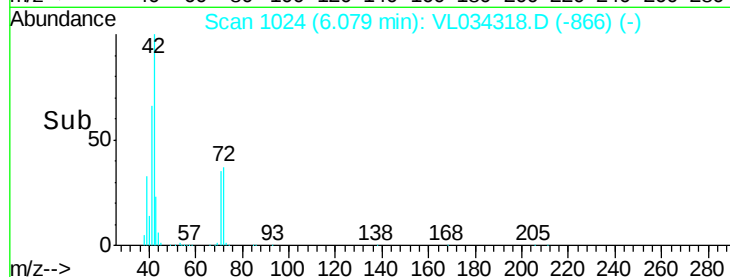
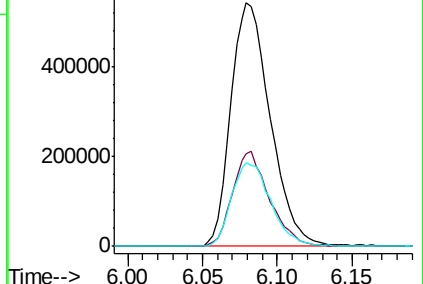
71 34.4 27.3 40.9



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.423 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VL034318.D

Acq: 17 Oct 2019 15:22

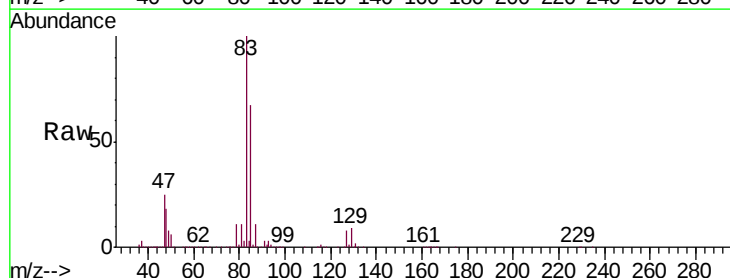
Tgt Ion: 83 Resp: 1921518

Ion Ratio Lower Upper

83 100

85 66.6 51.8 77.6

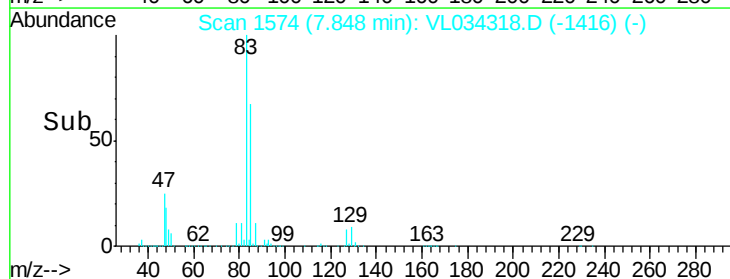
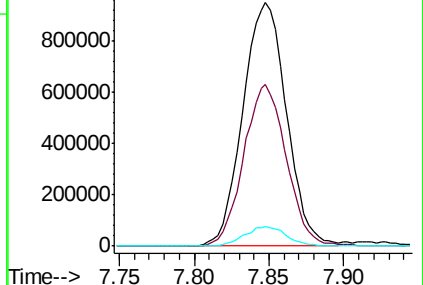
127 8.1 7.0 10.6

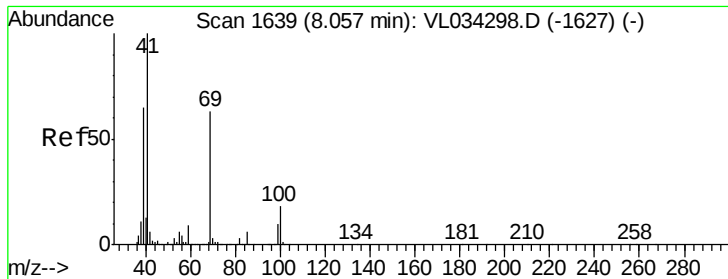


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

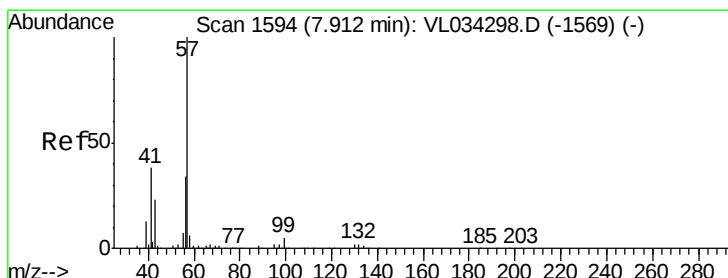
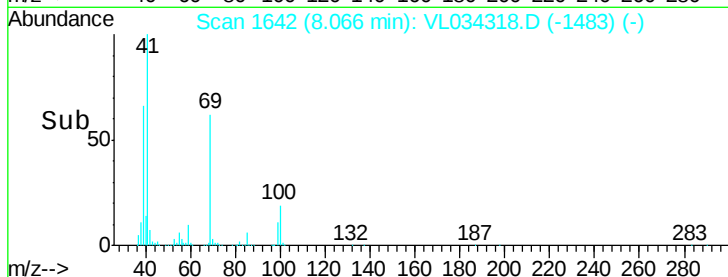
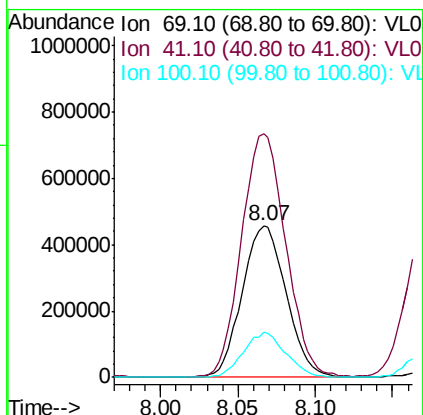
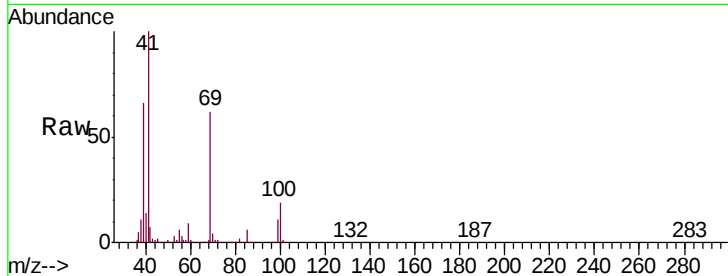




#43
Methyl Methacrylate
Concen: 10.833 ppbv
RT: 8.07 min Scan# 1642
Delta R.T. 0.01 min
Lab File: VL034318.D
Acq: 17 Oct 2019 15:22

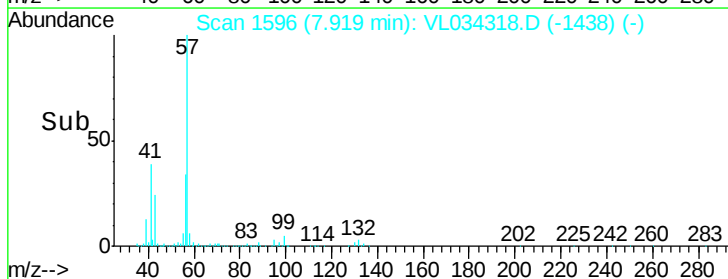
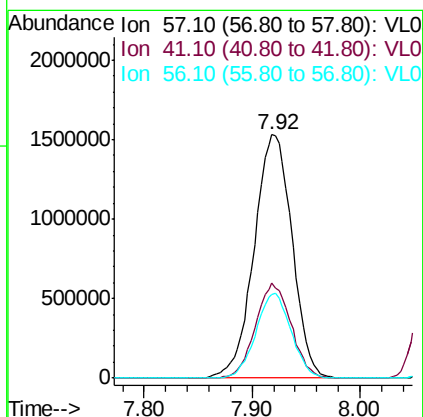
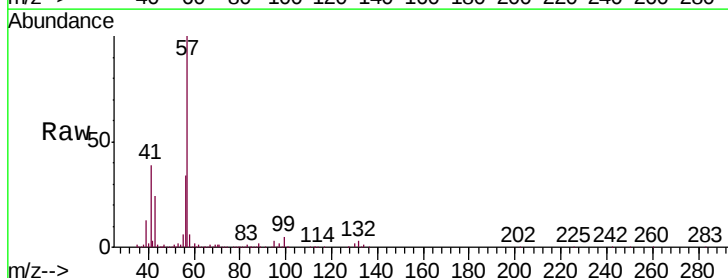
Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

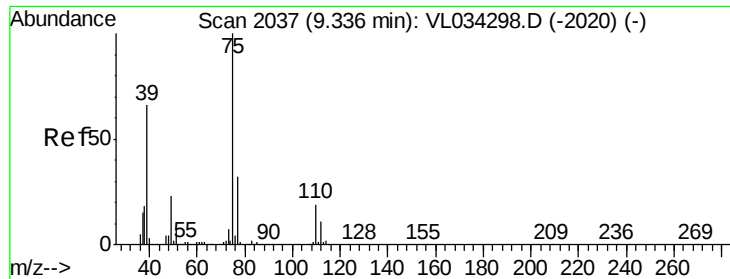
Tgt Ion: 69 Resp: 904804
Ion Ratio Lower Upper
69 100
41 161.9 132.1 198.1
100 29.0 23.2 34.8



#44
2,2,4-Trimethylpentane
Concen: 10.000 ppbv
RT: 7.92 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VL034318.D
Acq: 17 Oct 2019 15:22

Tgt Ion: 57 Resp: 3737783
Ion Ratio Lower Upper
57 100
41 36.6 29.3 43.9
56 32.3 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 11.958 ppbv

RT: 9.34 min Scan# 2039

Delta R.T. 0.01 min

Lab File: VL034318.D

Acq: 17 Oct 2019 15:22

Instrument :

MSVOA_L

ClientSampleId :

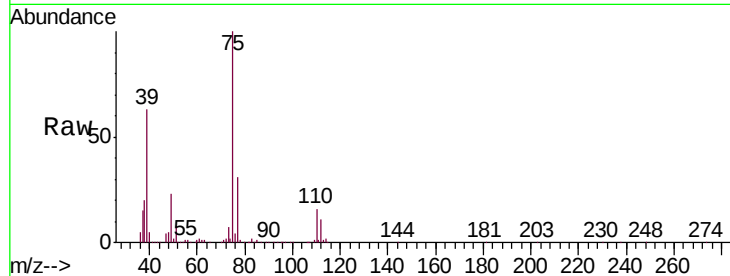
VL1017ABS01

Tgt Ion: 75 Resp: 1216871

Ion Ratio Lower Upper

75 100

77 30.7 25.6 38.4



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.34

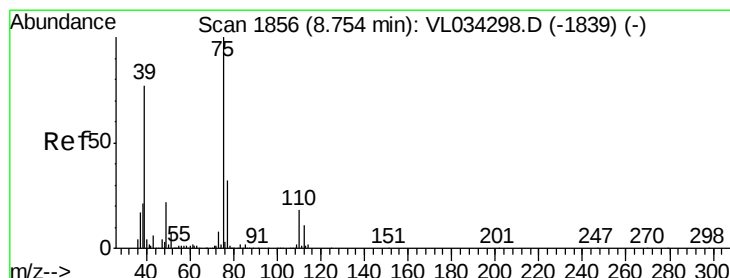
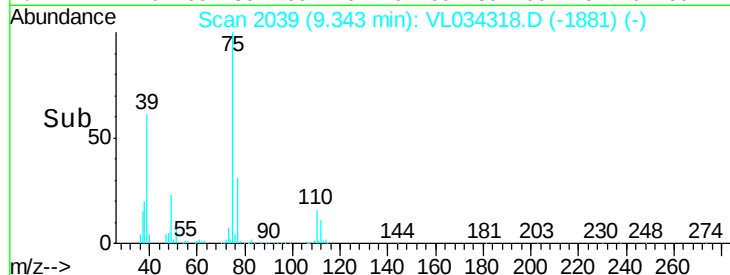
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.600 ppbv

RT: 8.76 min Scan# 1859

Delta R.T. 0.01 min

Lab File: VL034318.D

Acq: 17 Oct 2019 15:22

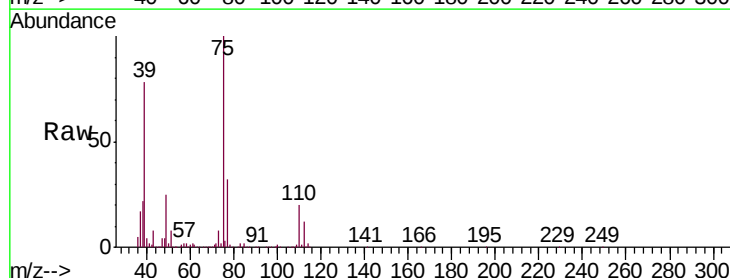
Tgt Ion: 75 Resp: 1356232

Ion Ratio Lower Upper

75 100

39 78.0 61.2 91.8

77 32.5 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

8.76

800000

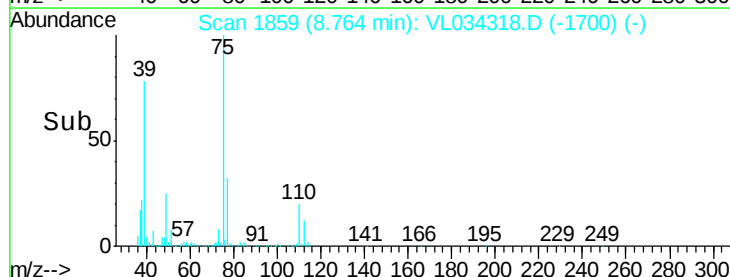
600000

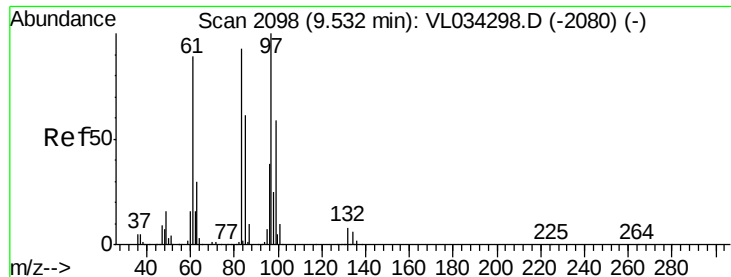
400000

200000

0

Time-->





#47

1,1,2-Trichloroethane

Concen: 10.058 ppbv

RT: 9.54 min Scan# 2100

Delta R.T. 0.01 min

Lab File: VL034318.D

Acq: 17 Oct 2019 15:22

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01

Tgt Ion: 97 Resp: 885973

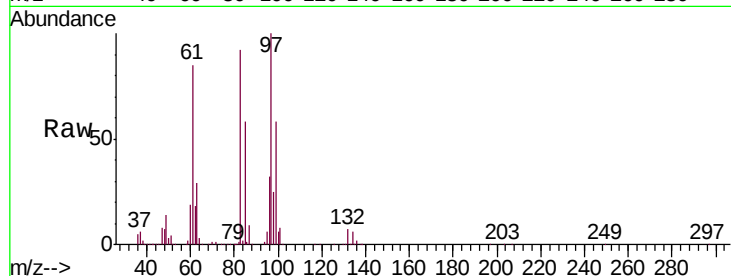
Ion Ratio Lower Upper

97 100

83 92.1 74.2 111.2

85 58.2 48.6 73.0

99 58.4 47.0 70.6

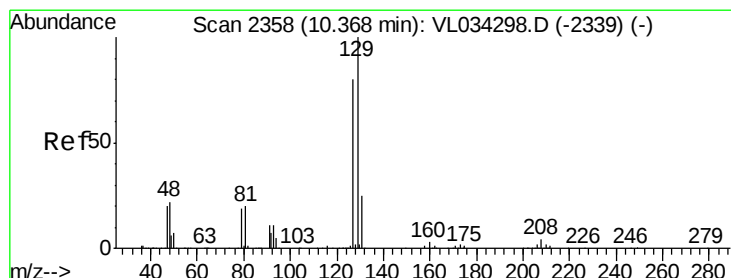
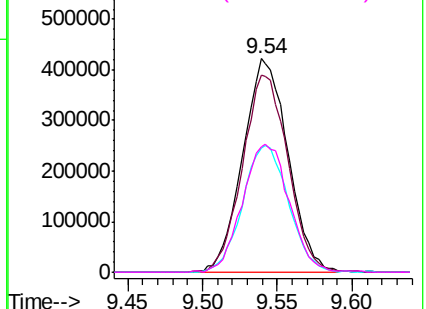
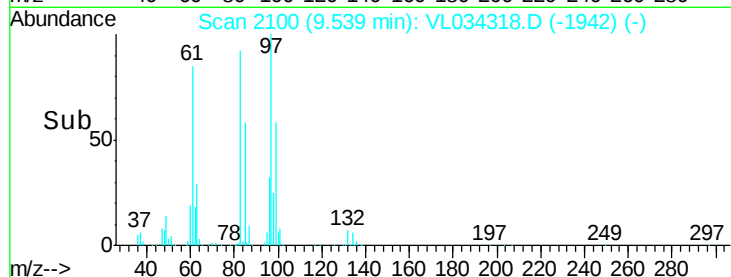


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 11.098 ppbv

RT: 10.38 min Scan# 2361

Delta R.T. 0.01 min

Lab File: VL034318.D

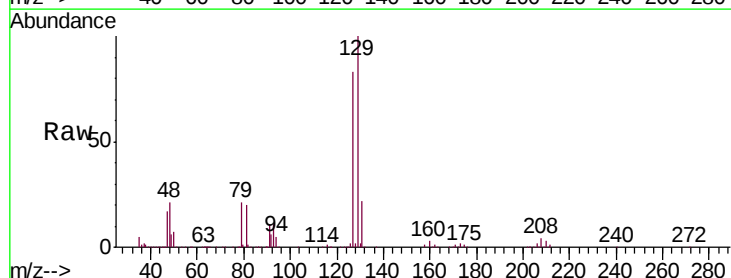
Acq: 17 Oct 2019 15:22

Tgt Ion: 129 Resp: 1603544

Ion Ratio Lower Upper

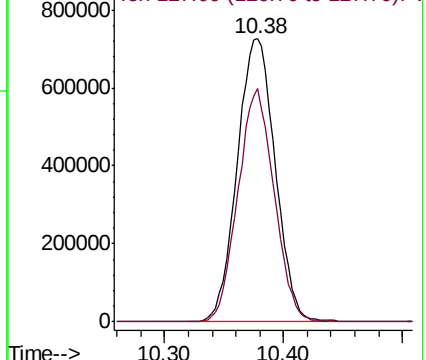
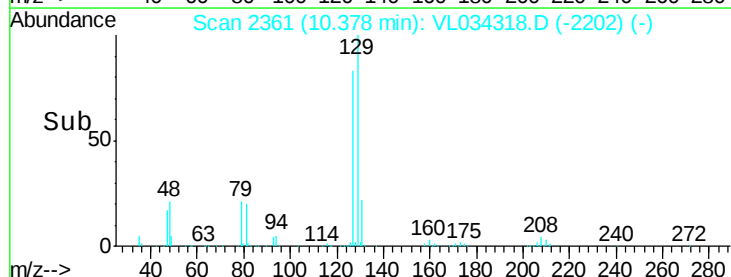
129 100

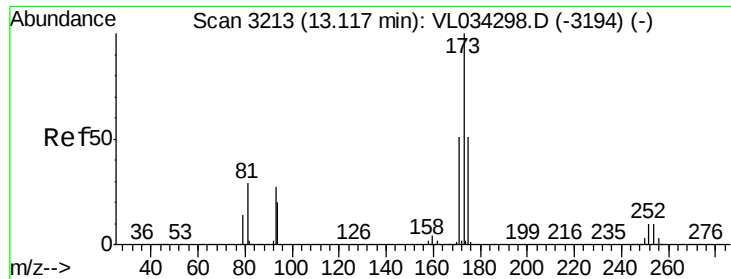
127 78.9 39.7 119.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.387 ppbv

RT: 13.13 min Scan# 3216

Delta R.T. 0.01 min

Lab File: VL034318.D

Acq: 17 Oct 2019 15:22

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01

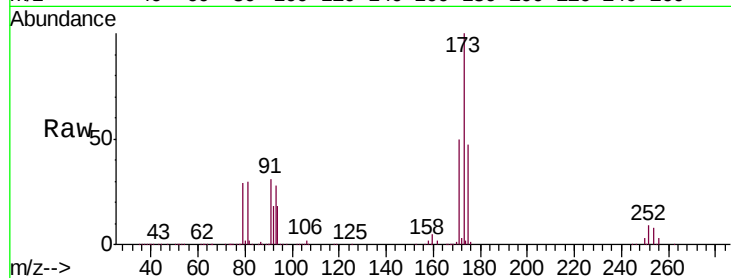
Tgt Ion:173 Resp: 1457926

Ion Ratio Lower Upper

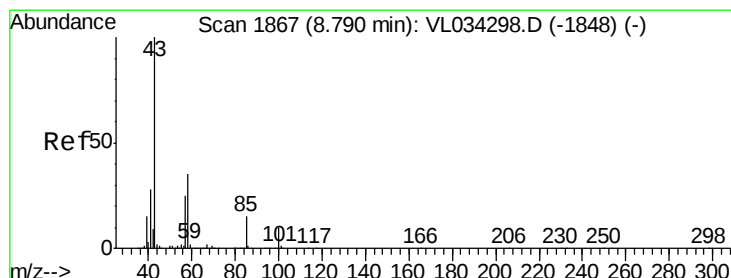
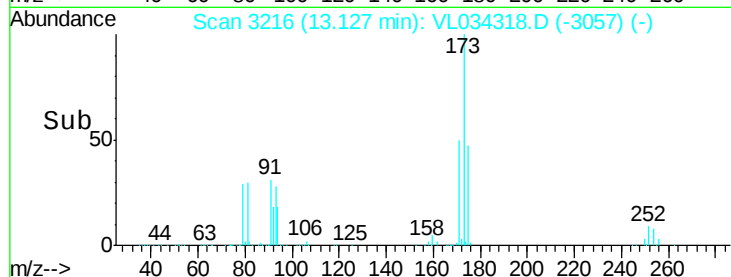
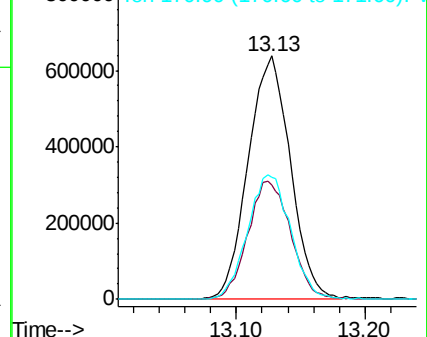
173 100

175 49.3 39.8 59.6

171 51.9 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: 10.514 ppbv

RT: 8.80 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VL034318.D

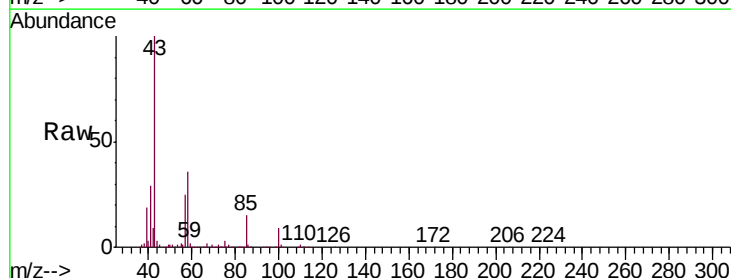
Acq: 17 Oct 2019 15:22

Tgt Ion: 43 Resp: 2589516

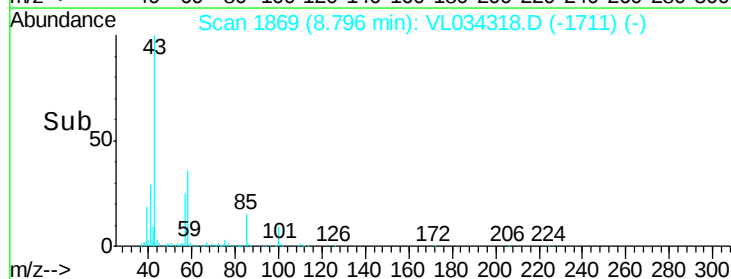
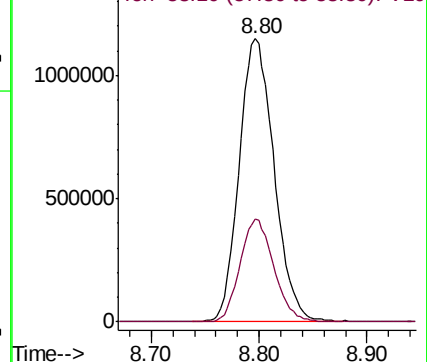
Ion Ratio Lower Upper

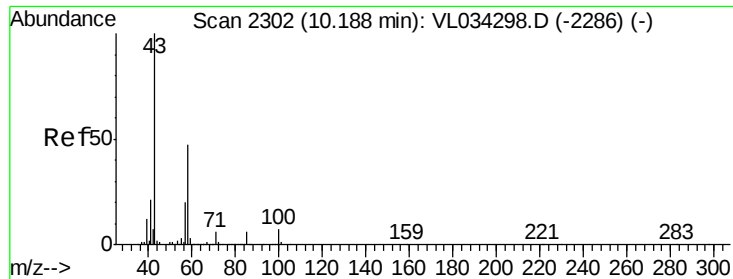
43 100

58 35.3 27.6 41.4



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

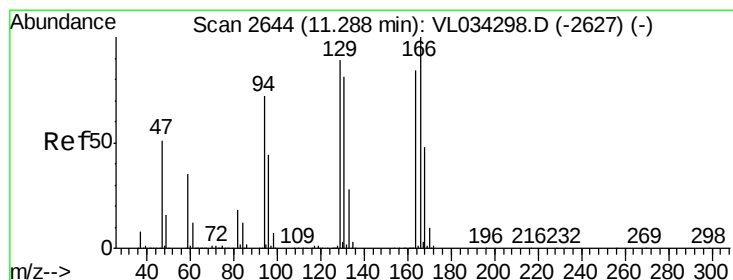
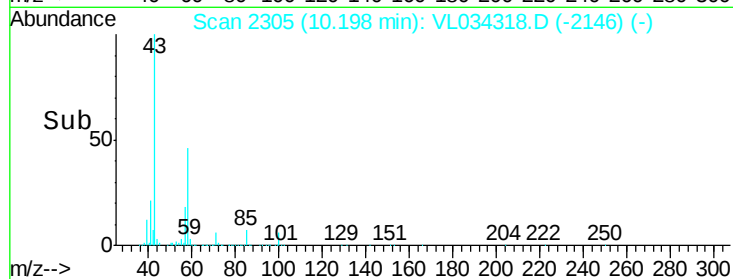
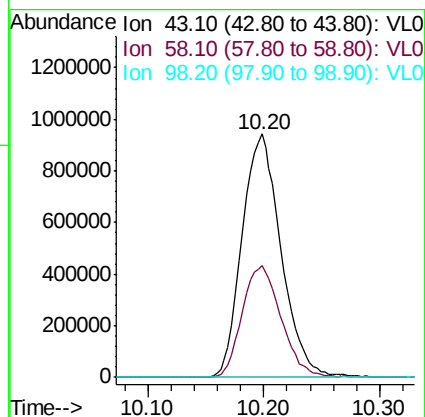
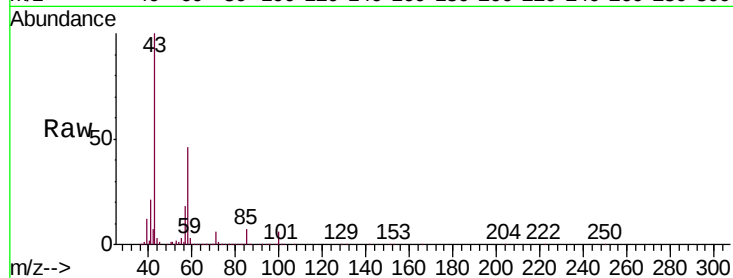




#51
2-Hexanone
Concen: 10.873 ppbv
RT: 10.20 min Scan# 2305
Delta R.T. 0.01 min
Lab File: VL034318.D
Acq: 17 Oct 2019 15:22

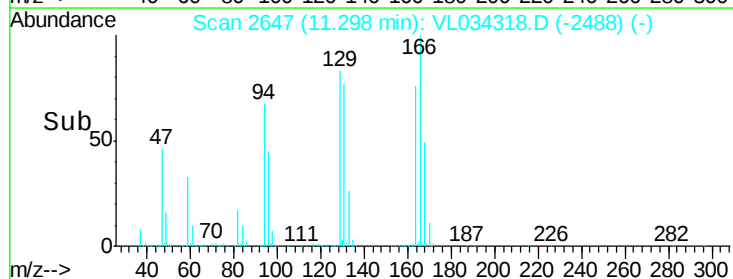
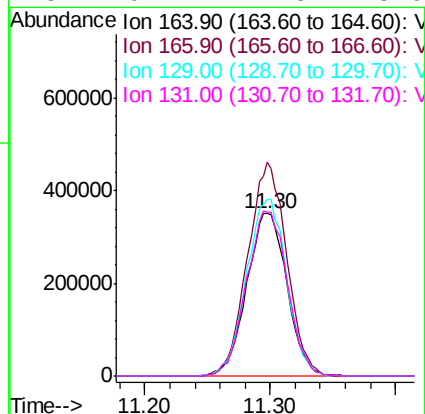
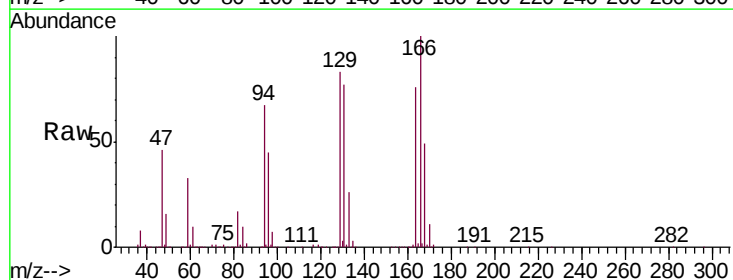
Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

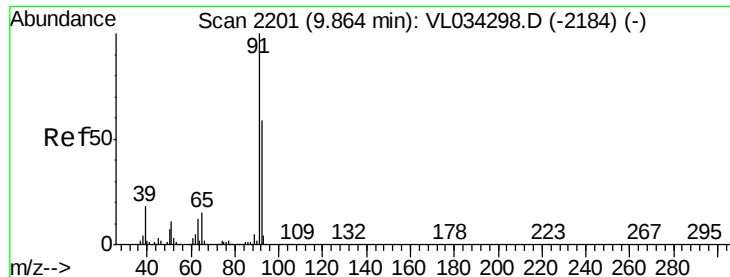
Tgt Ion: 43 Resp: 2195323
Ion Ratio Lower Upper
43 100
58 46.1 37.0 55.6
98 0.2 0.2 0.2



#52
Tetrachloroethene
Concen: 9.834 ppbv
RT: 11.30 min Scan# 2647
Delta R.T. 0.01 min
Lab File: VL034318.D
Acq: 17 Oct 2019 15:22

Tgt Ion: 164 Resp: 778468
Ion Ratio Lower Upper
164 100
166 131.7 95.3 142.9
129 108.9 84.5 126.7
131 101.4 77.3 115.9





#53

Toluene

Concen: 10.798 ppbv

RT: 9.87 min Scan# 2204

Delta R.T. 0.01 min

Lab File: VL034318.D

Acq: 17 Oct 2019 15:22

Instrument :

MSVOA_L

ClientSampleId :

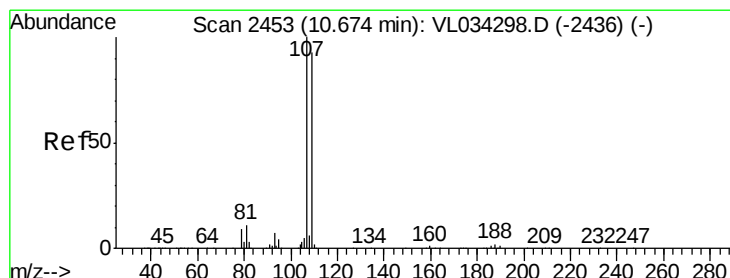
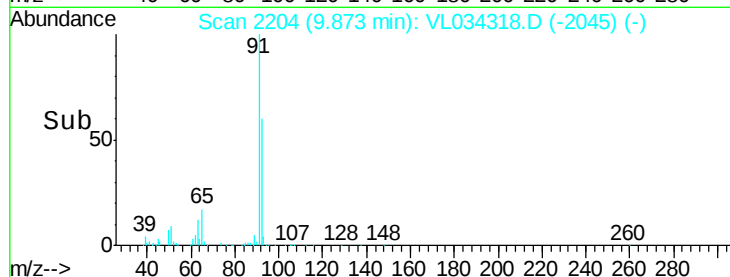
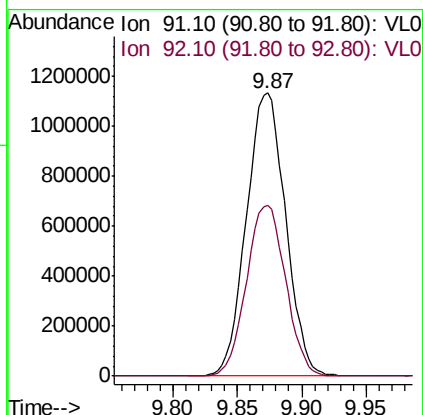
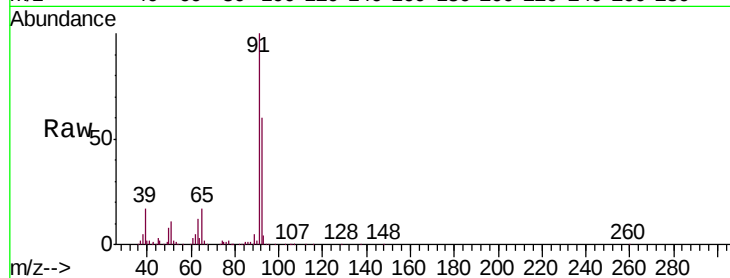
VL1017ABS01

Tgt Ion: 91 Resp: 2406644

Ion Ratio Lower Upper

91 100

92 60.4 48.4 72.6



#54

1,2-Dibromoethane

Concen: 10.307 ppbv

RT: 10.68 min Scan# 2456

Delta R.T. 0.01 min

Lab File: VL034318.D

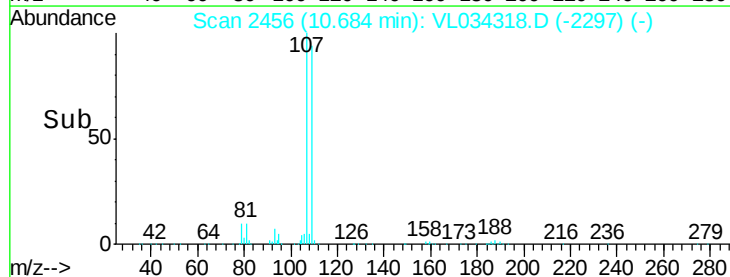
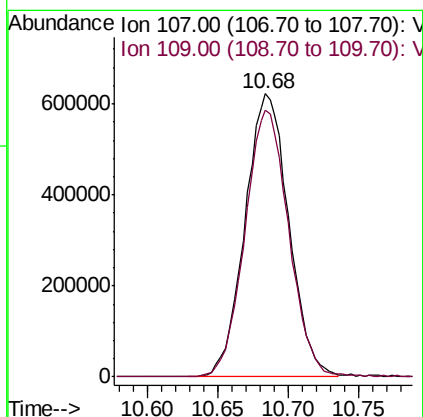
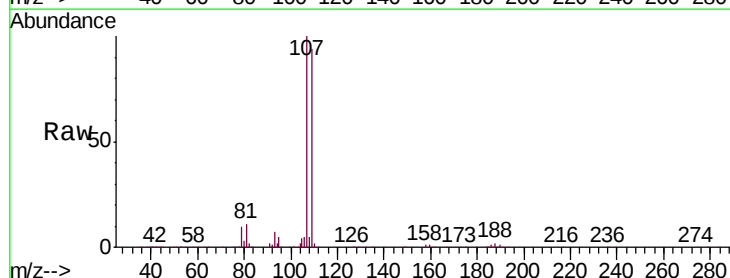
Acq: 17 Oct 2019 15:22

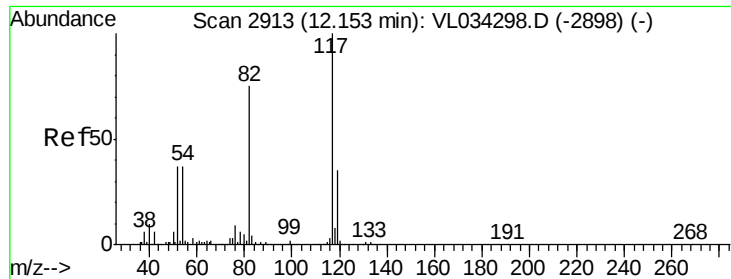
Tgt Ion: 107 Resp: 1345612

Ion Ratio Lower Upper

107 100

109 94.2 74.6 112.0

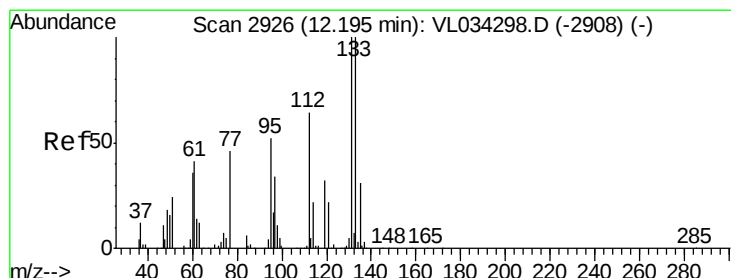
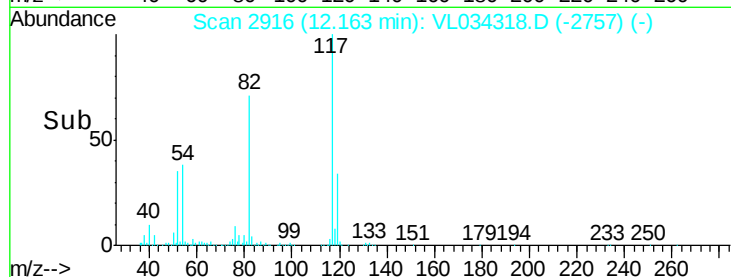
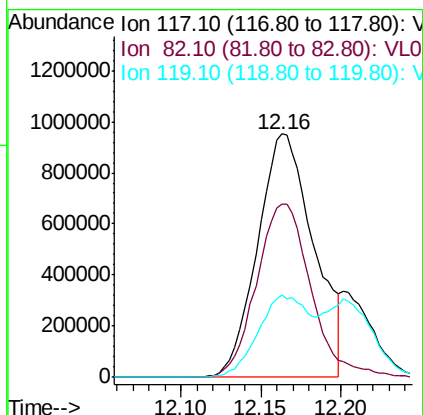
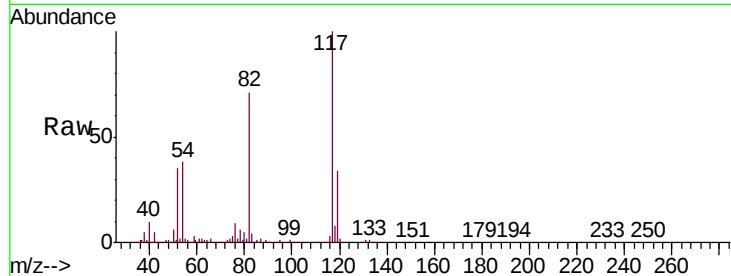




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. 0.01 min
Lab File: VL034318.D
Acq: 17 Oct 2019 15:22

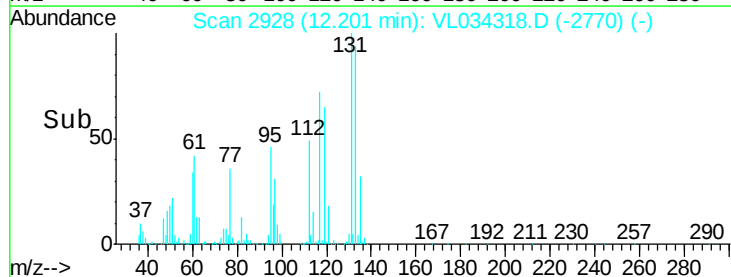
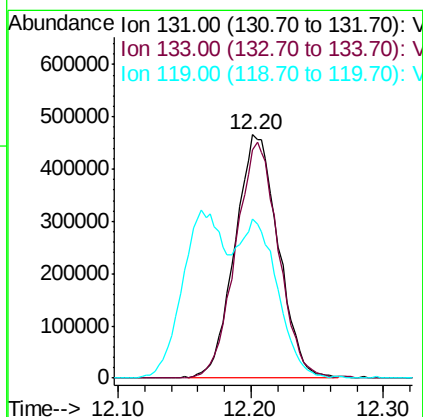
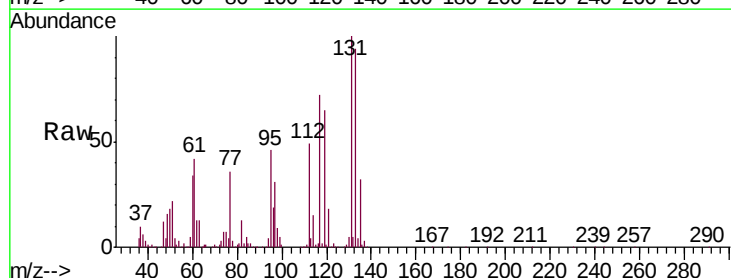
Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

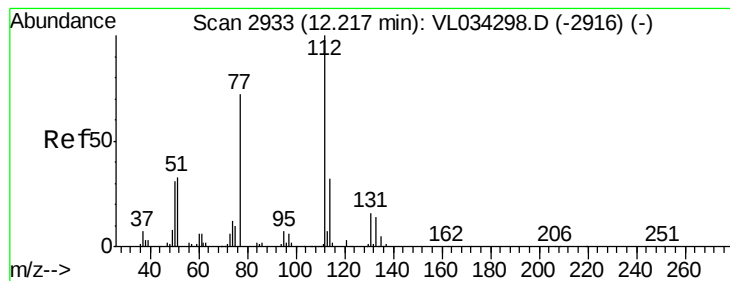
Tgt Ion:117 Resp: 2318469
Ion Ratio Lower Upper
117 100
82 69.6 55.5 83.3
119 31.4 26.5 39.7



#56
1,1,1,2-Tetrachloroethane
Concen: 9.793 ppbv
RT: 12.20 min Scan# 2928
Delta R.T. 0.01 min
Lab File: VL034318.D
Acq: 17 Oct 2019 15:22

Tgt Ion:131 Resp: 1046299
Ion Ratio Lower Upper
131 100
133 97.1 77.1 115.7
119 59.5 49.0 73.4





#57

Chlorobenzene

Concen: 9.475 ppbv

RT: 12.22 min Scan# 2935

Delta R.T. 0.01 min

Lab File: VL034318.D

Acq: 17 Oct 2019 15:22

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01

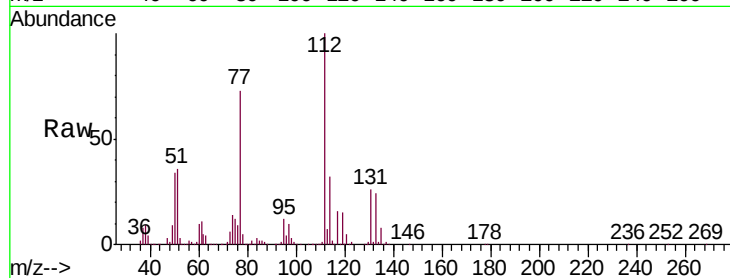
Tgt Ion: 112 Resp: 1832553

Ion Ratio Lower Upper

112 100

77 72.5 58.6 88.0

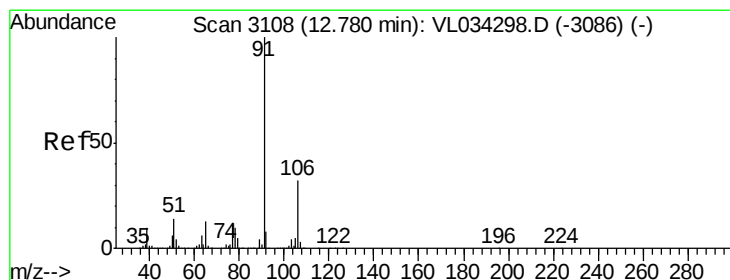
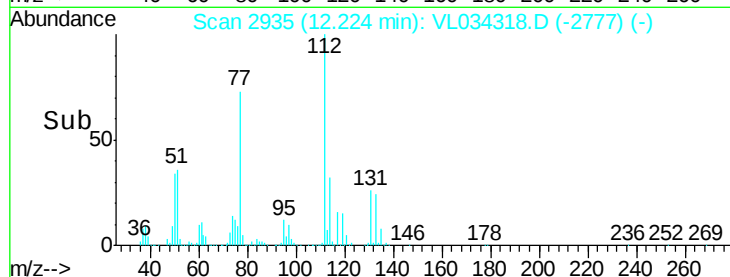
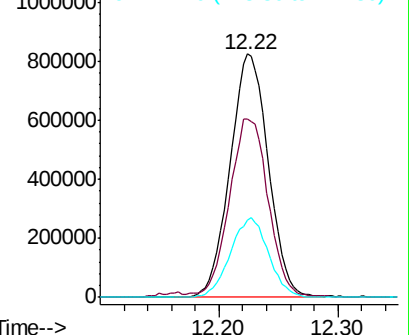
114 31.8 28.6 35.0



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: 10.248 ppbv

RT: 12.79 min Scan# 3111

Delta R.T. 0.01 min

Lab File: VL034318.D

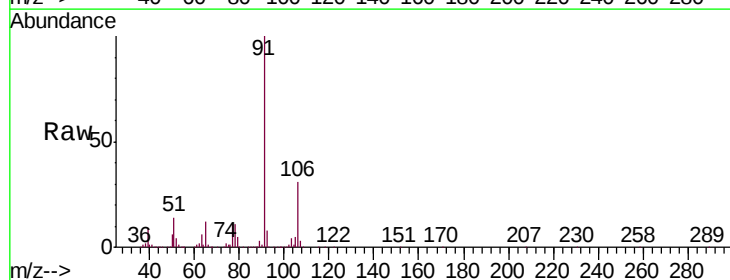
Acq: 17 Oct 2019 15:22

Tgt Ion: 91 Resp: 3321499

Ion Ratio Lower Upper

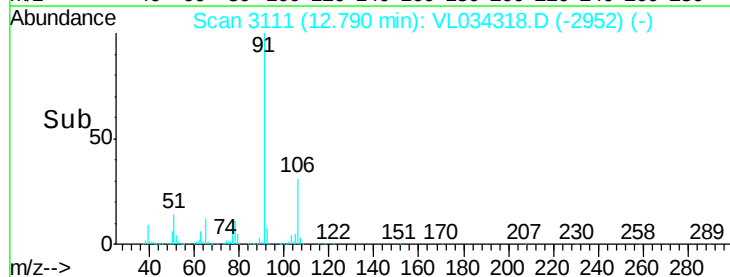
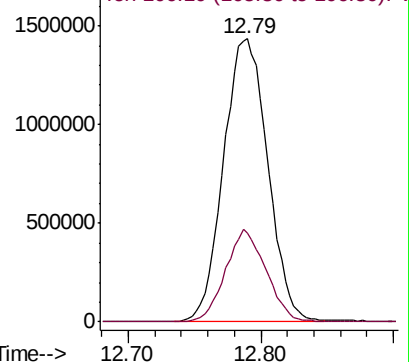
91 100

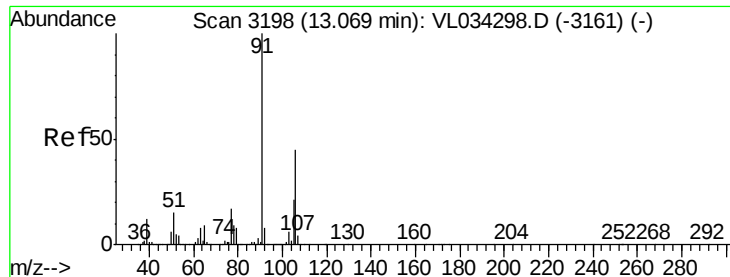
106 31.2 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 11.102 ppbv

RT: 13.07 min Scan# 3199

Delta R.T. 0.00 min

Lab File: VL034318.D

Acq: 17 Oct 2019 15:22

Instrument :

MSVOA_L

ClientSampleId :

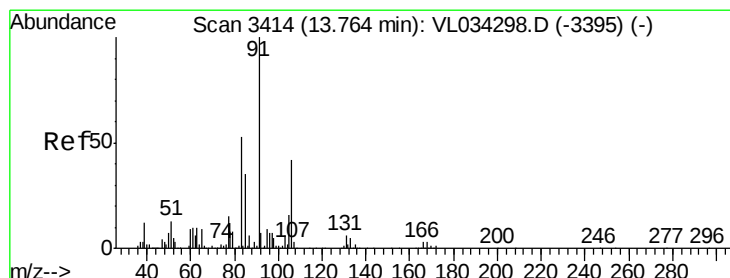
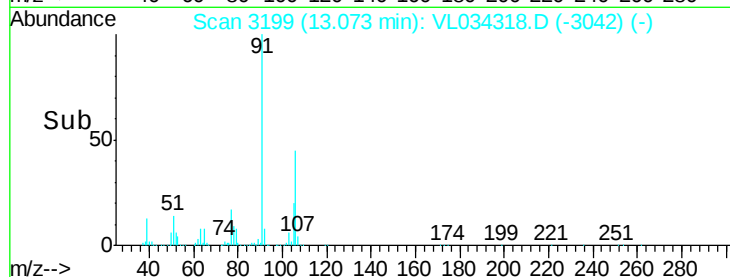
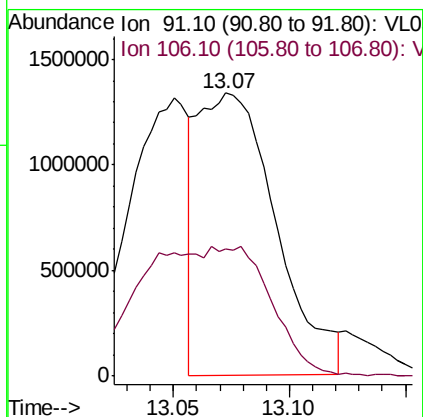
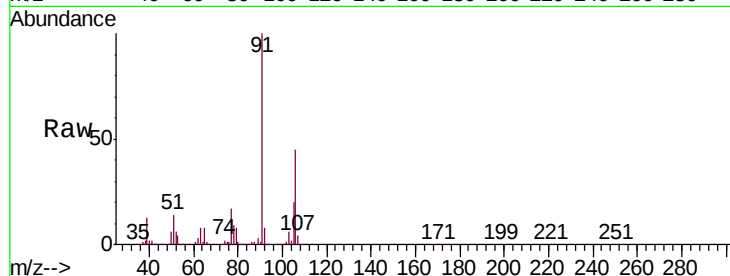
VL1017ABS01

Tgt Ion: 91 Resp: 3117467

Ion Ratio Lower Upper

91 100

106 78.2 35.4 53.2#



#60

o-Xylene

Concen: 9.862 ppbv

RT: 13.77 min Scan# 3417

Delta R.T. 0.01 min

Lab File: VL034318.D

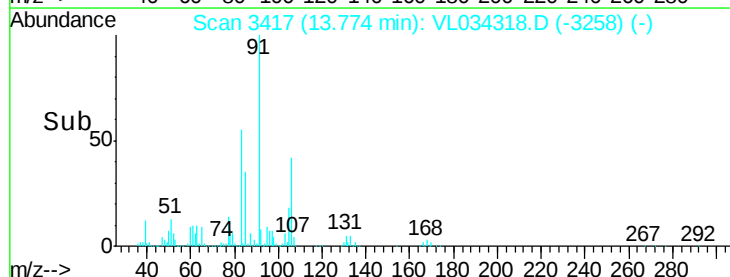
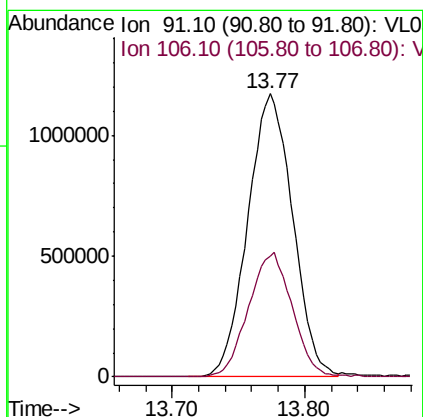
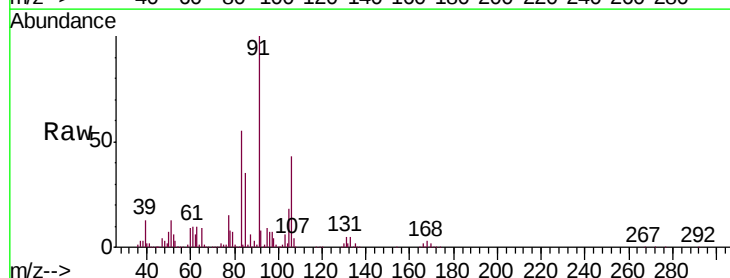
Acq: 17 Oct 2019 15:22

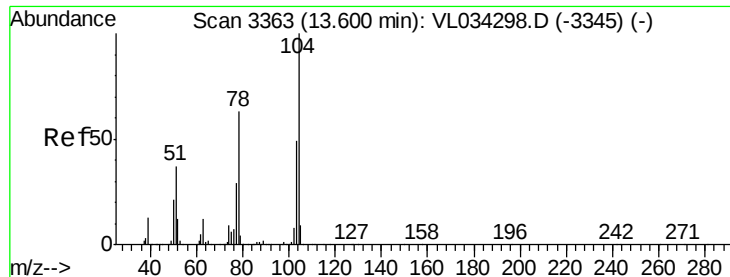
Tgt Ion: 91 Resp: 2757552

Ion Ratio Lower Upper

91 100

106 43.0 21.6 64.6





#61

Styrene

Concen: 10.577 ppbv

RT: 13.61 min Scan# 3366

Delta R.T. 0.01 min

Lab File: VL034318.D

Acq: 17 Oct 2019 15:22

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01

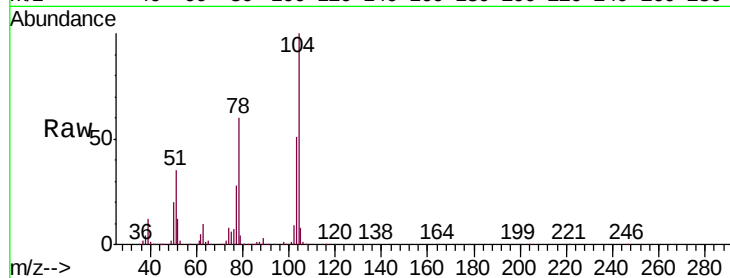
Tgt Ion:104 Resp: 2082178

Ion Ratio Lower Upper

104 100

78 59.6 47.8 71.8

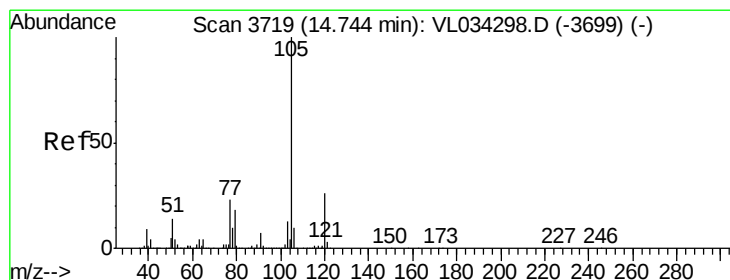
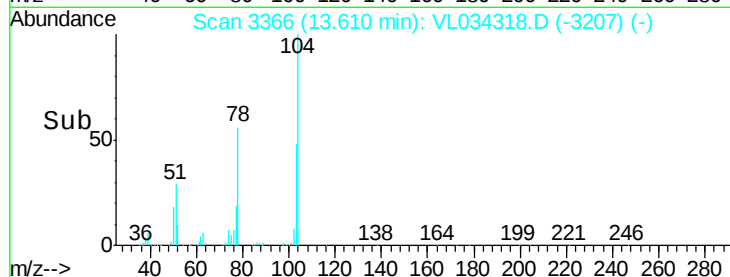
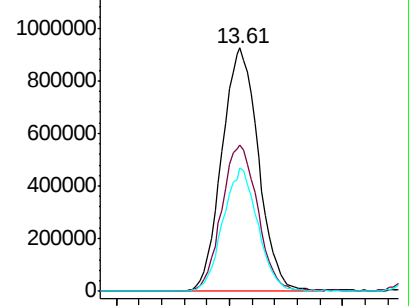
103 48.6 39.0 58.6



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: 9.771 ppbv

RT: 14.75 min Scan# 3721

Delta R.T. 0.01 min

Lab File: VL034318.D

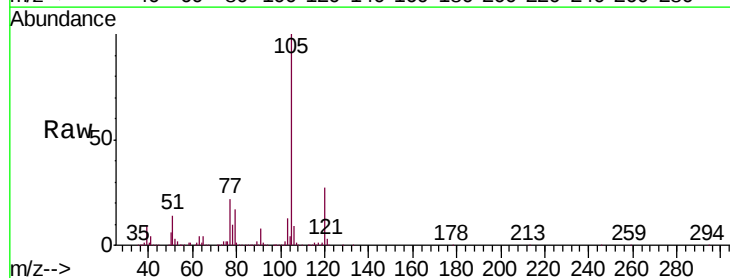
Acq: 17 Oct 2019 15:22

Tgt Ion:105 Resp: 3606821

Ion Ratio Lower Upper

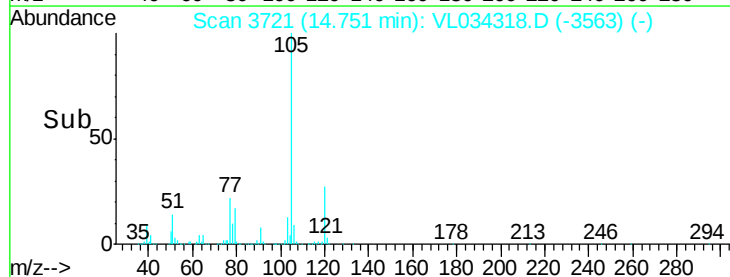
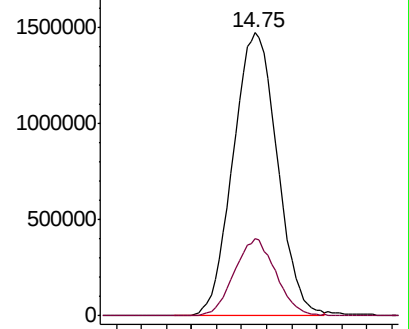
105 100

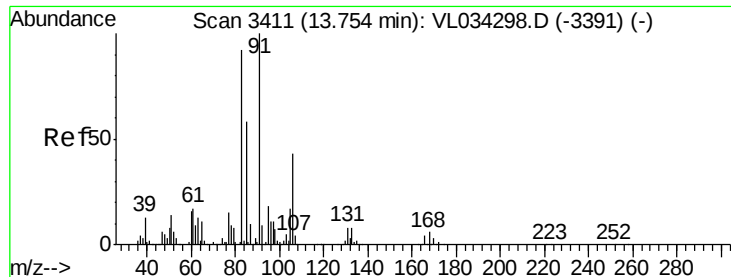
120 26.1 20.8 31.2



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: 8.886 ppbv

RT: 13.76 min Scan# 3414

Delta R.T. 0.01 min

Lab File: VL034318.D

Acq: 17 Oct 2019 15:22

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01

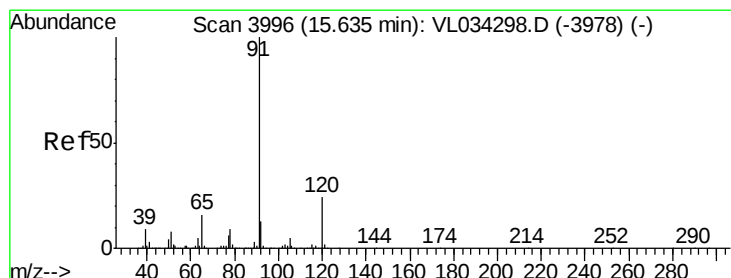
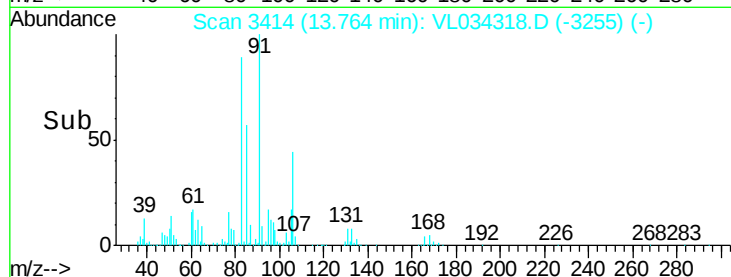
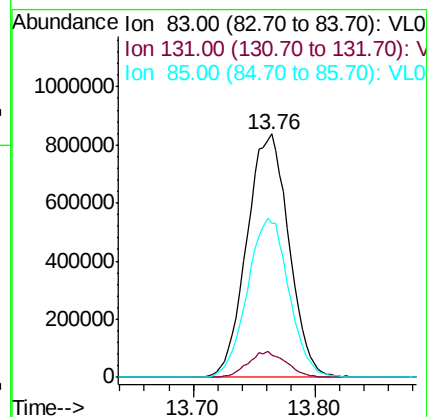
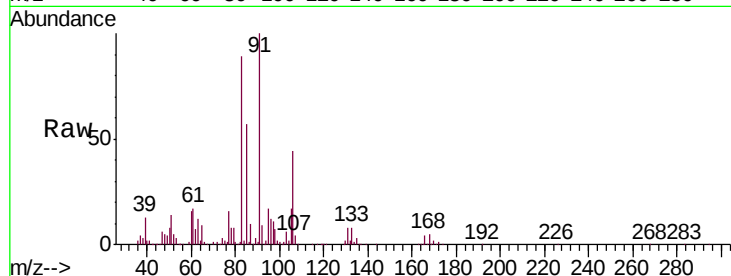
Tgt Ion: 83 Resp: 1996648

Ion Ratio Lower Upper

83 100

131 9.7 4.8 14.4

85 64.7 32.5 97.4



#64

n-propylbenzene

Concen: 10.228 ppbv

RT: 15.65 min Scan# 4000

Delta R.T. 0.01 min

Lab File: VL034318.D

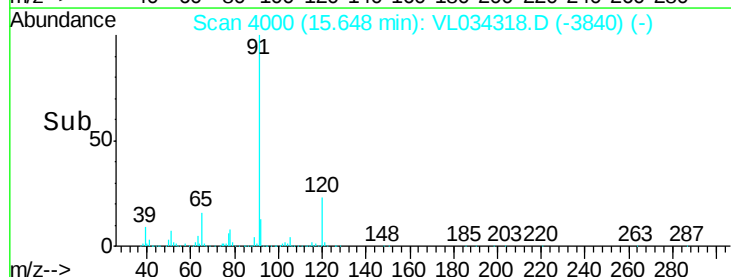
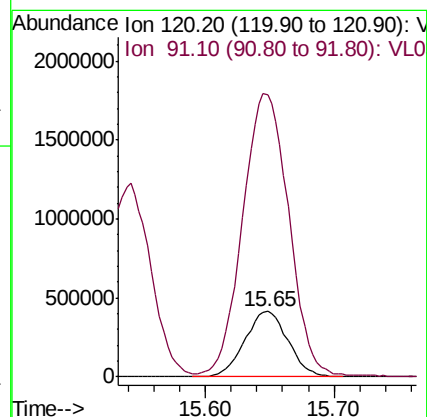
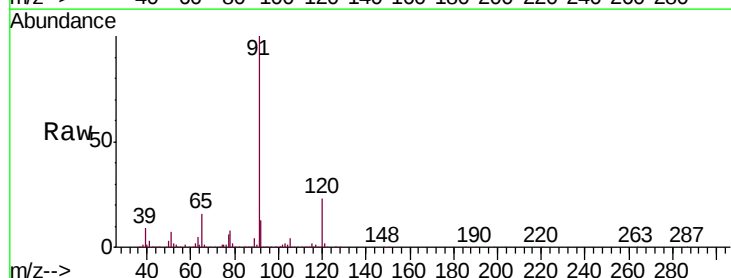
Acq: 17 Oct 2019 15:22

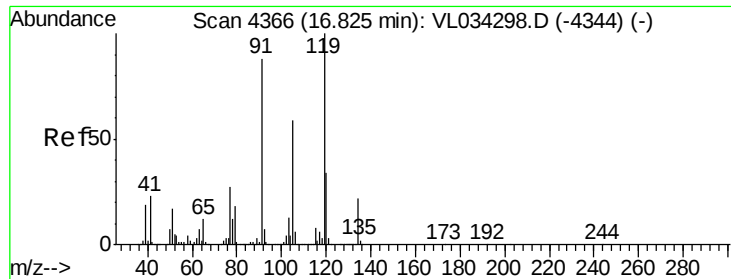
Tgt Ion: 120 Resp: 968865

Ion Ratio Lower Upper

120 100

91 464.3 374.9 562.3

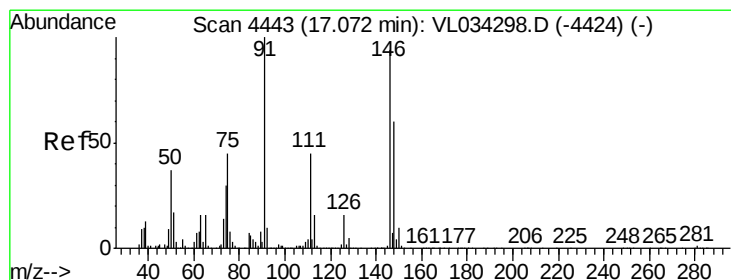
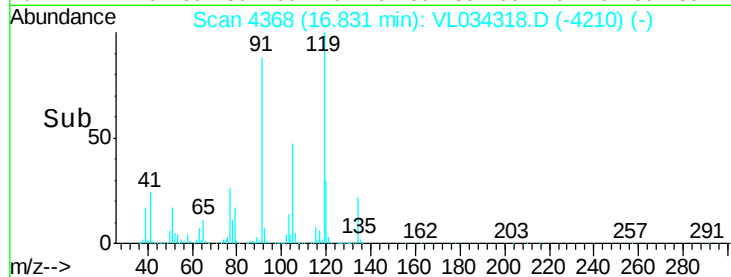
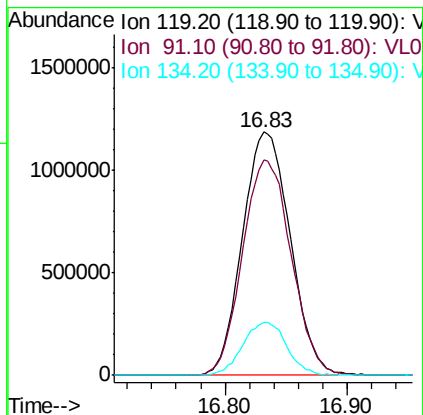
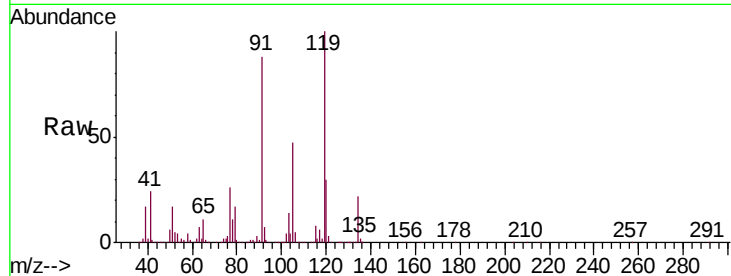




#65
tert-Butylbenzene
Concen: 9.828 ppbv
RT: 16.83 min Scan# 4368
Delta R.T. 0.01 min
Lab File: VL034318.D
Acq: 17 Oct 2019 15:22

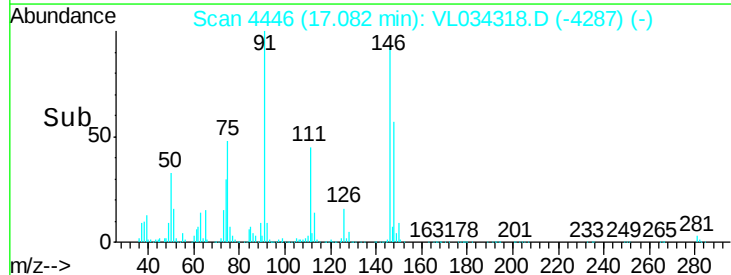
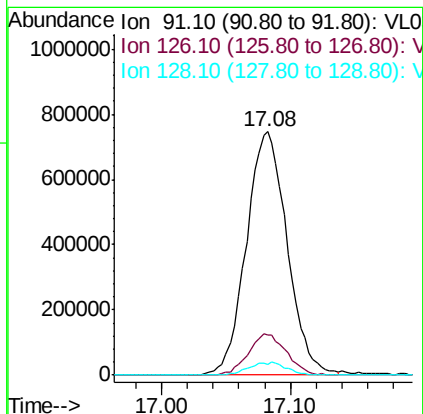
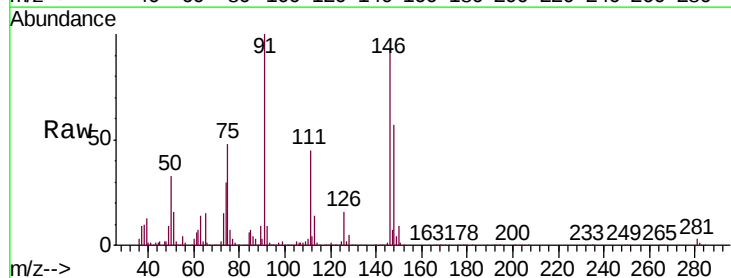
Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

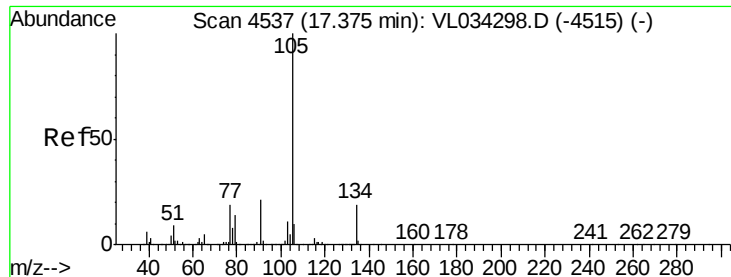
Tgt Ion:119 Resp: 3215202
Ion Ratio Lower Upper
119 100
91 90.4 71.4 107.0
134 20.1 15.9 23.9



#66
Benzyl Chloride
Concen: 12.716 ppbv
RT: 17.08 min Scan# 4446
Delta R.T. 0.01 min
Lab File: VL034318.D
Acq: 17 Oct 2019 15:22

Tgt Ion: 91 Resp: 1643031
Ion Ratio Lower Upper
91 100
126 16.0 12.9 19.3
128 5.1 4.3 6.5





#67

sec-Butylbenzene

Concen: 9.789 ppbv

RT: 17.38 min Scan# 4540

Delta R.T. 0.01 min

Lab File: VL034318.D

Acq: 17 Oct 2019 15:22

Instrument :

MSVOA_L

ClientSampleId :

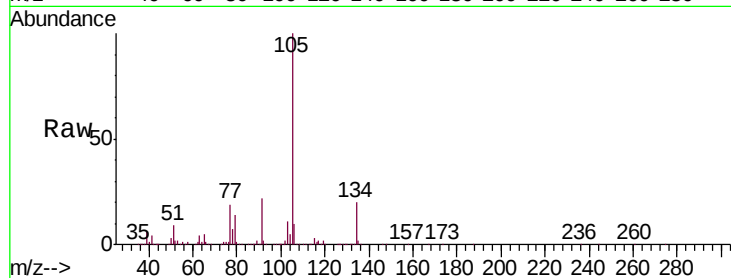
VL1017ABS01

Tgt Ion:105 Resp: 4506751

Ion Ratio Lower Upper

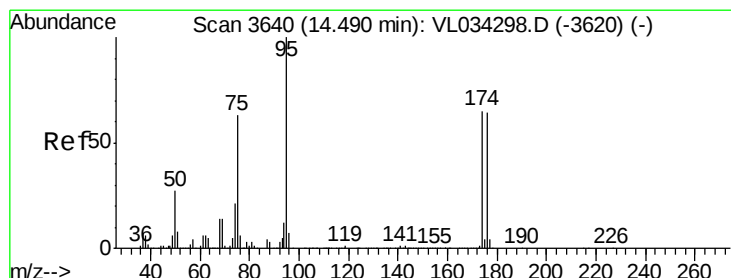
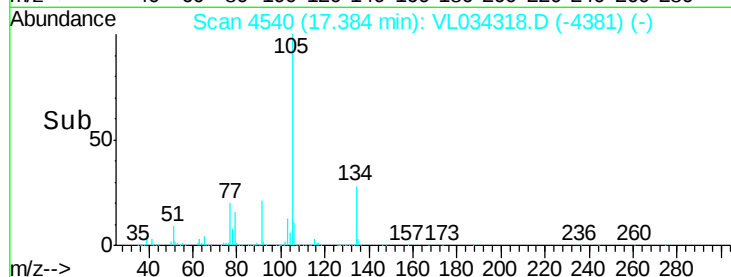
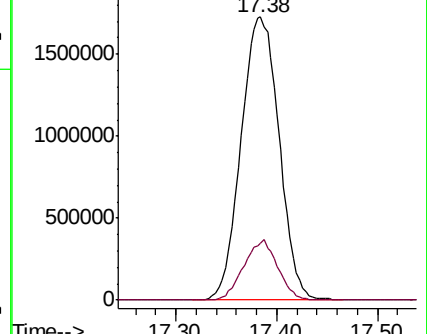
105 100

134 19.1 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: 9.523 ppbv

RT: 14.50 min Scan# 3644

Delta R.T. 0.01 min

Lab File: VL034318.D

Acq: 17 Oct 2019 15:22

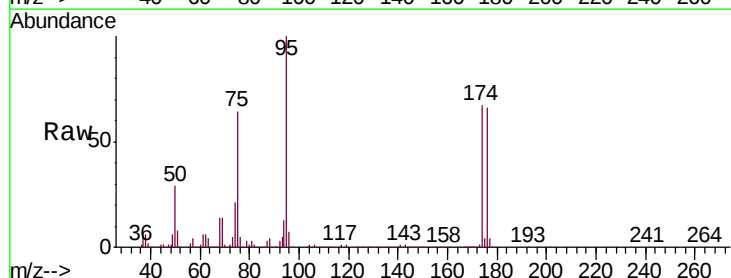
Tgt Ion: 95 Resp: 1869887

Ion Ratio Lower Upper

95 100

174 66.9 52.6 78.8

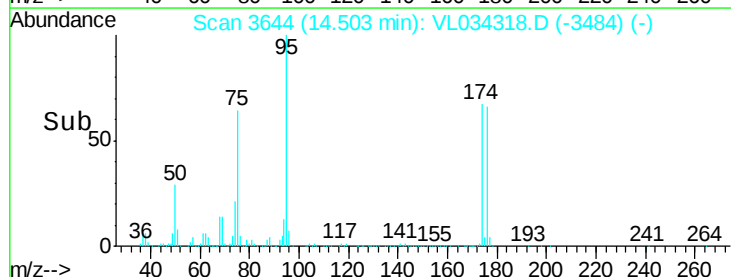
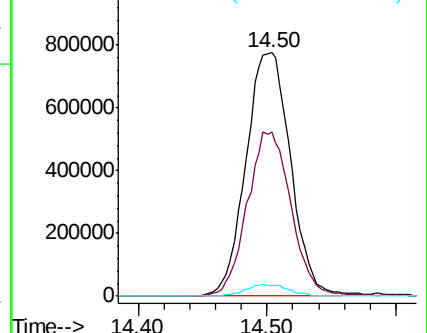
175 4.7 3.8 5.6

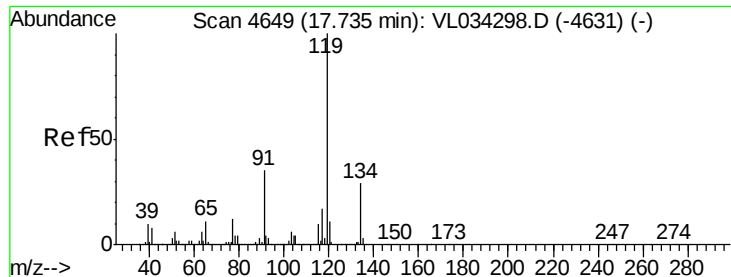


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 10.000 ppbv

RT: 17.74 min Scan# 4651

Delta R.T. 0.01 min

Lab File: VL034318.D

Acq: 17 Oct 2019 15:22

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01

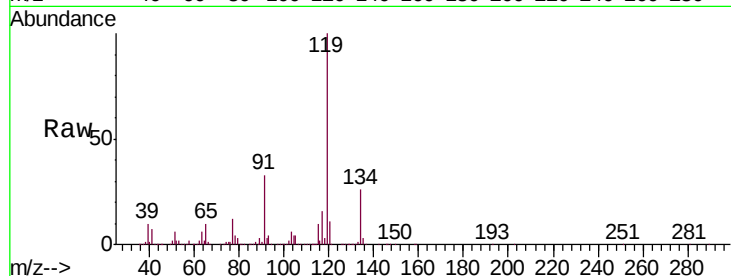
Tgt Ion: 119 Resp: 3753422

Ion Ratio Lower Upper

119 100

134 26.3 21.3 31.9

91 33.1 26.6 39.8

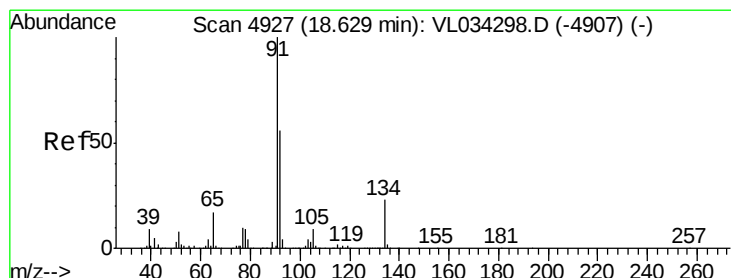
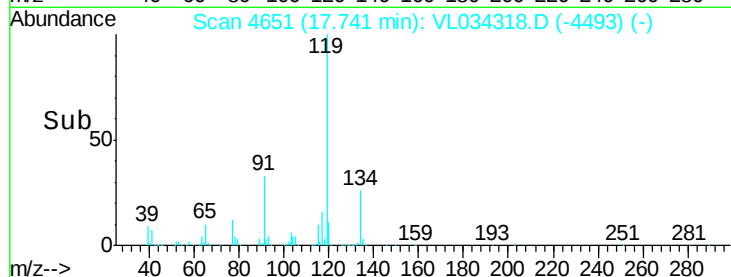


Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V

Time-->



#70

n-Butylbenzene

Concen: 9.900 ppbv

RT: 18.64 min Scan# 4930

Delta R.T. 0.01 min

Lab File: VL034318.D

Acq: 17 Oct 2019 15:22

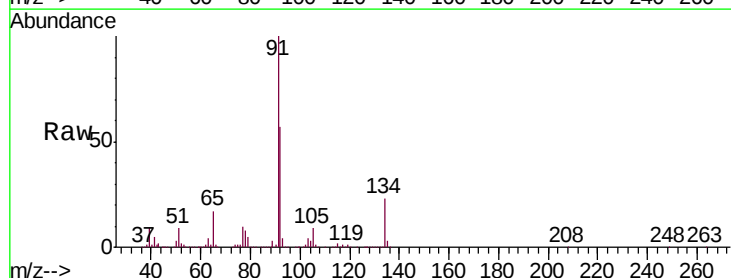
Tgt Ion: 91 Resp: 4043037

Ion Ratio Lower Upper

91 100

92 55.7 44.5 66.7

134 22.8 18.2 27.2

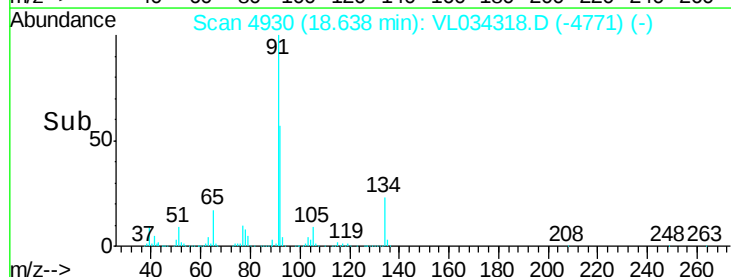


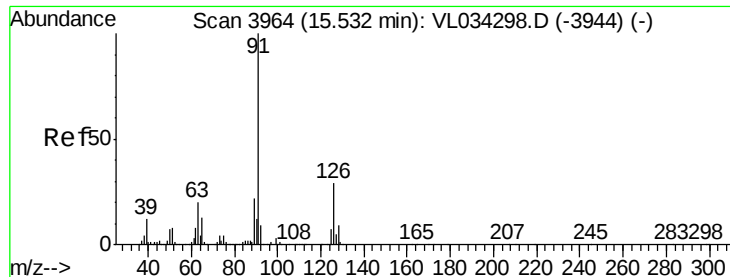
Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V

Time-->





#71

2-Chlorotoluene

Concen: 10.101 ppbv

RT: 15.54 min Scan# 3967

Delta R.T. 0.01 min

Lab File: VL034318.D

Acq: 17 Oct 2019 15:22

Instrument :

MSVOA_L

ClientSampleId :

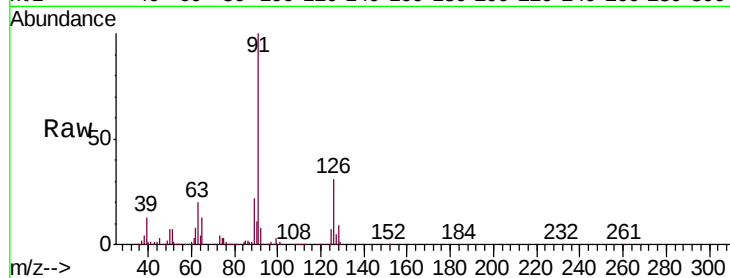
VL1017ABS01

Tgt Ion: 91 Resp: 2890878

Ion Ratio Lower Upper

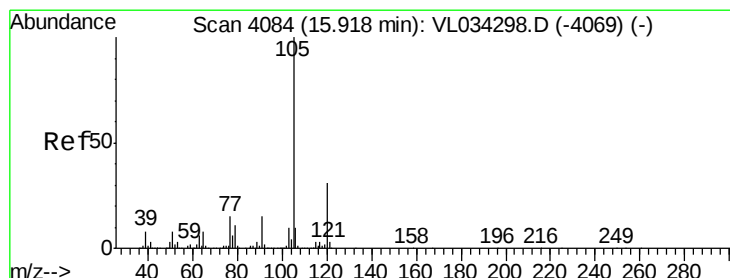
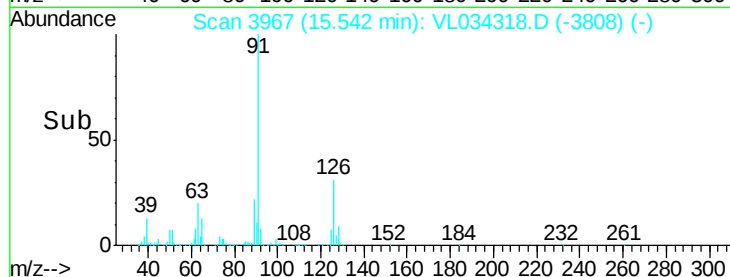
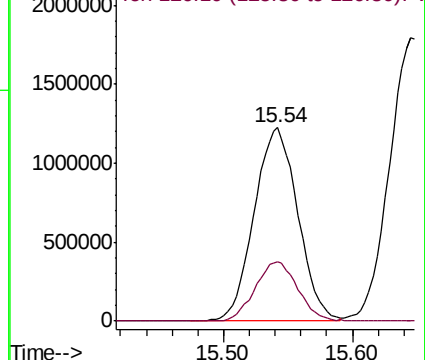
91 100

126 30.3 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: 10.215 ppbv

RT: 15.92 min Scan# 4086

Delta R.T. 0.01 min

Lab File: VL034318.D

Acq: 17 Oct 2019 15:22

Tgt Ion: 105 Resp: 3210848

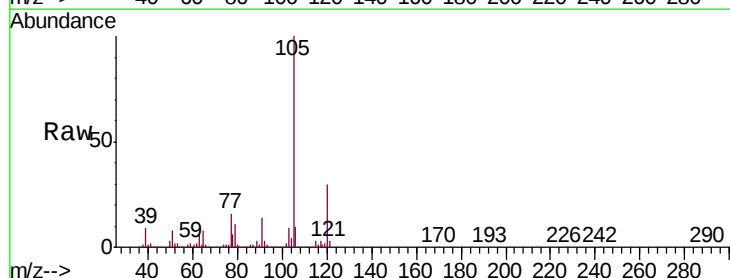
Ion Ratio Lower Upper

105 100

120 30.9 23.8 35.8

91 14.1 11.2 16.8

77 15.9 12.8 19.2

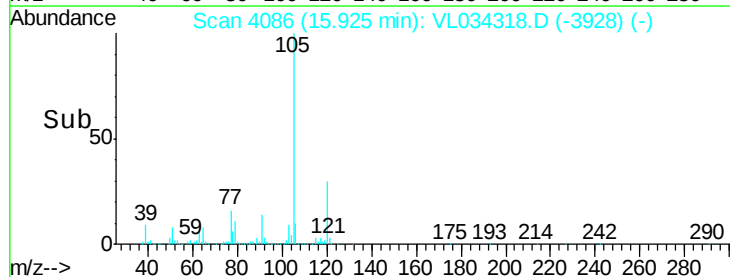
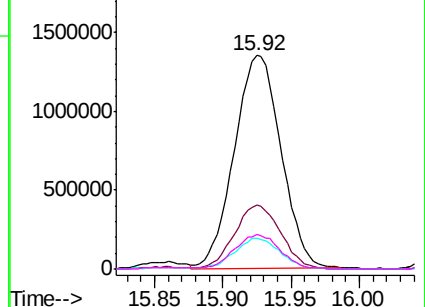


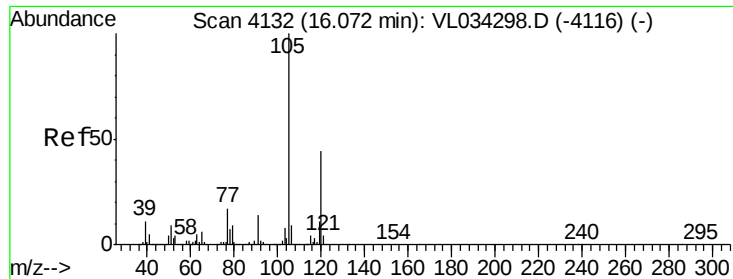
Abundance Ion 105.10 (104.80 to 105.80): V

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

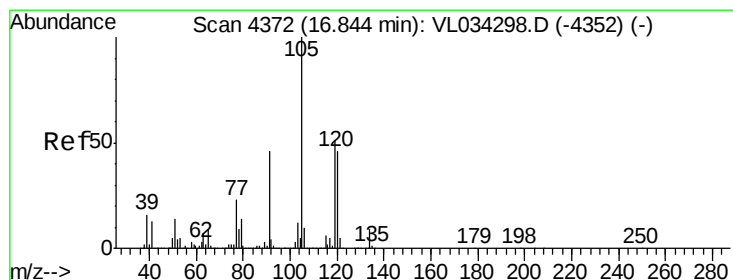
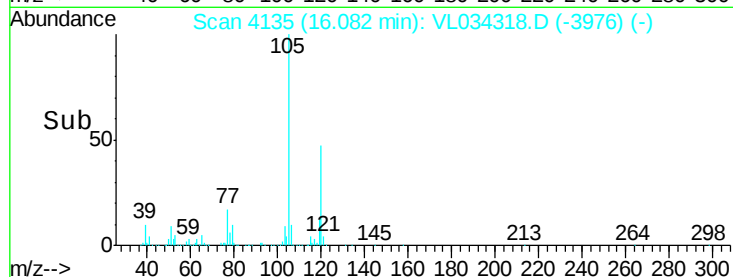
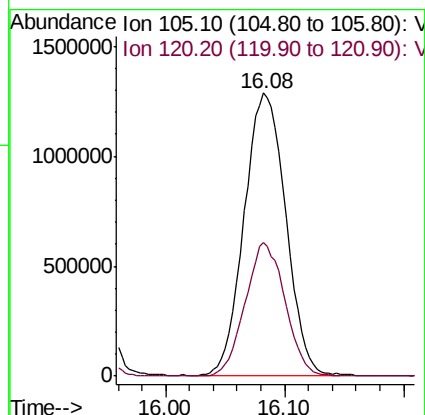
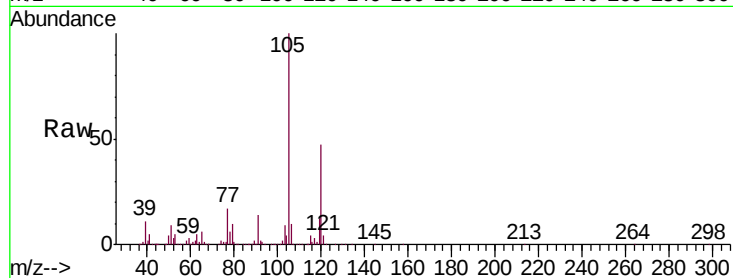




#73
 1,3,5-Trimethylbenzene
 Concen: 9.986 ppbv
 RT: 16.08 min Scan# 4135
 Delta R.T. 0.01 min
 Lab File: VL034318.D
 Acq: 17 Oct 2019 15:22

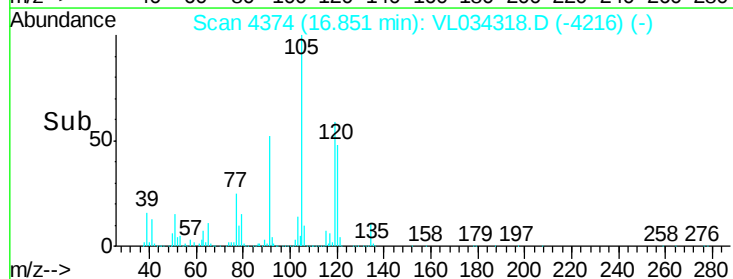
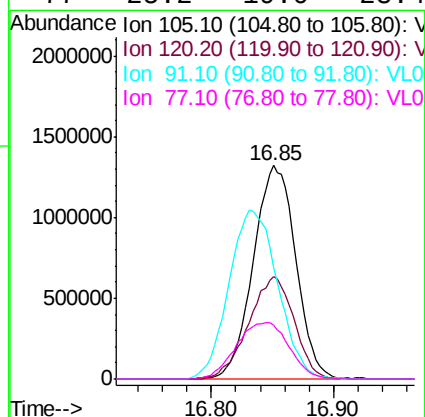
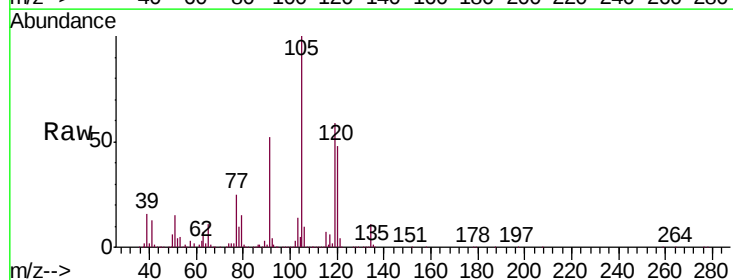
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017ABS01

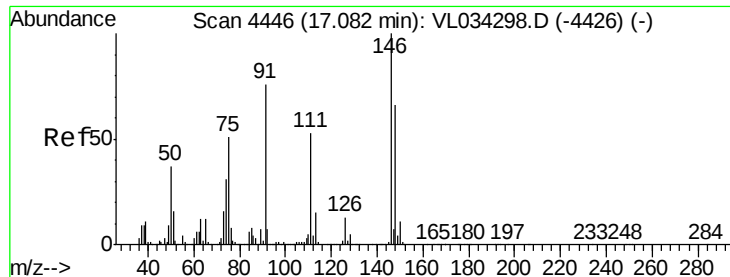
Tgt Ion:105 Resp: 3109897
 Ion Ratio Lower Upper
 105 100
 120 47.2 35.2 52.8



#74
 1,2,4-Trimethylbenzene
 Concen: 9.809 ppbv
 RT: 16.85 min Scan# 4374
 Delta R.T. 0.01 min
 Lab File: VL034318.D
 Acq: 17 Oct 2019 15:22

Tgt Ion:105 Resp: 3185761
 Ion Ratio Lower Upper
 105 100
 120 47.6 37.0 55.6
 91 51.7 38.2 57.2
 77 25.2 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 9.552 ppbv

RT: 17.09 min Scan# 4449

Delta R.T. 0.01 min

Lab File: VL034318.D

Acq: 17 Oct 2019 15:22

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01

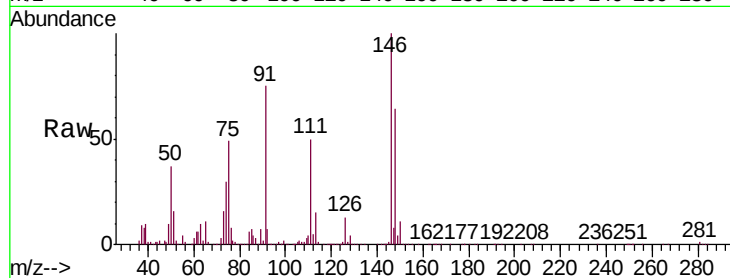
Tgt Ion:146 Resp: 1862504

Ion Ratio Lower Upper

146 100

111 49.0 24.5 73.5

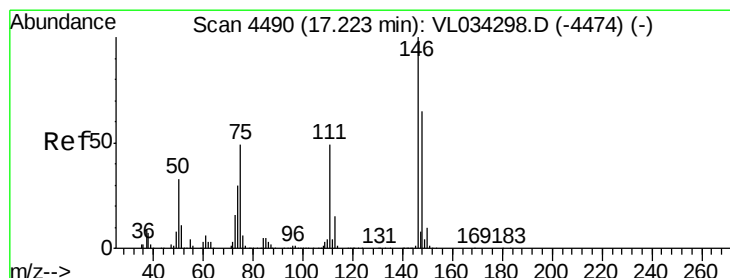
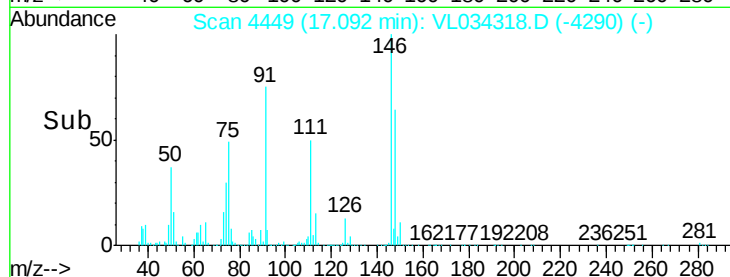
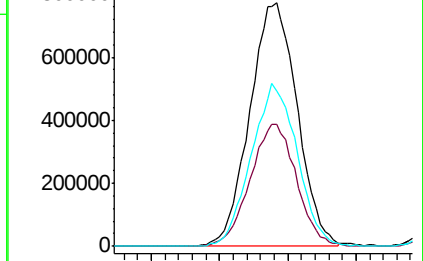
148 65.0 32.3 96.8



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



#76

1,4-Dichlorobenzene

Concen: 9.896 ppbv

RT: 17.23 min Scan# 4493

Delta R.T. 0.01 min

Lab File: VL034318.D

Acq: 17 Oct 2019 15:22

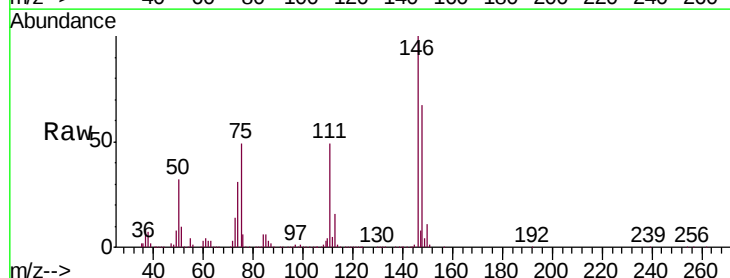
Tgt Ion:146 Resp: 1884903

Ion Ratio Lower Upper

146 100

111 47.7 23.9 71.7

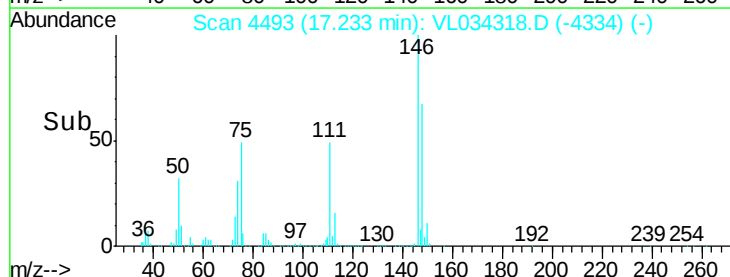
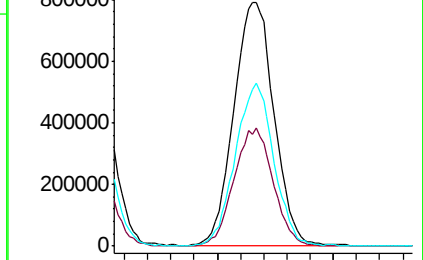
148 64.8 33.1 99.2

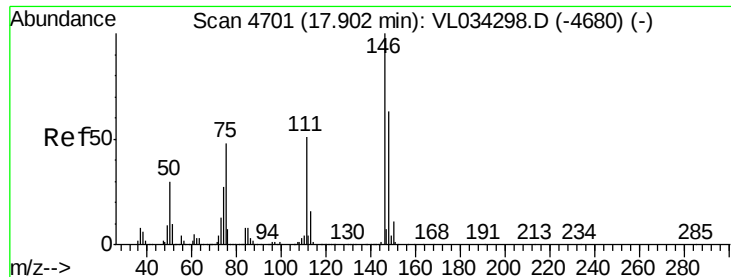


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 9.519 ppbv

RT: 17.91 min Scan# 4704

Delta R.T. 0.01 min

Lab File: VL034318.D

Acq: 17 Oct 2019 15:22

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01

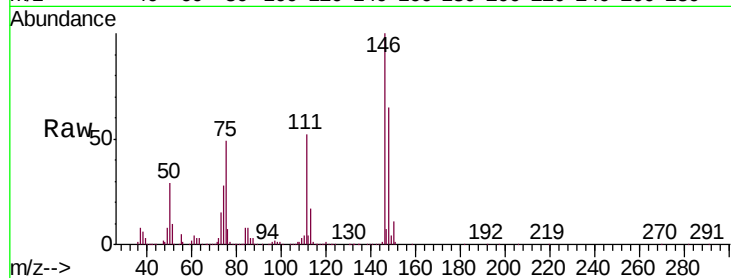
Tgt Ion:146 Resp: 1819756

Ion Ratio Lower Upper

146 100

111 50.5 25.1 75.3

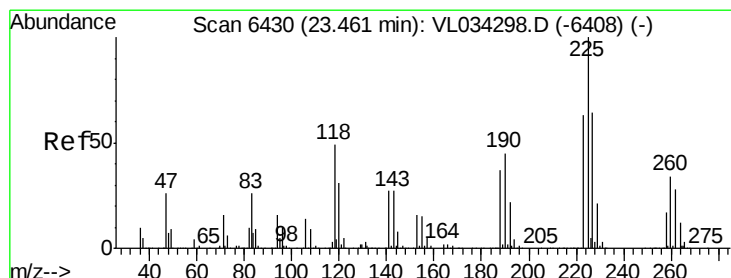
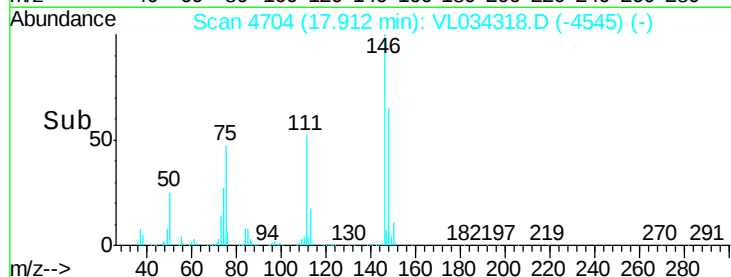
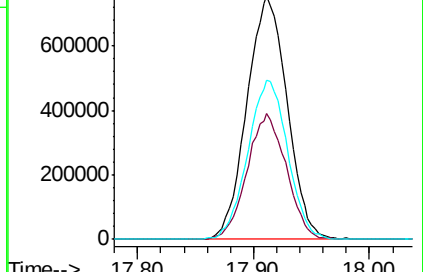
148 65.3 32.3 96.8



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



#78

Hexachloro-1,3-Butadiene

Concen: 8.882 ppbv

RT: 23.47 min Scan# 6433

Delta R.T. 0.01 min

Lab File: VL034318.D

Acq: 17 Oct 2019 15:22

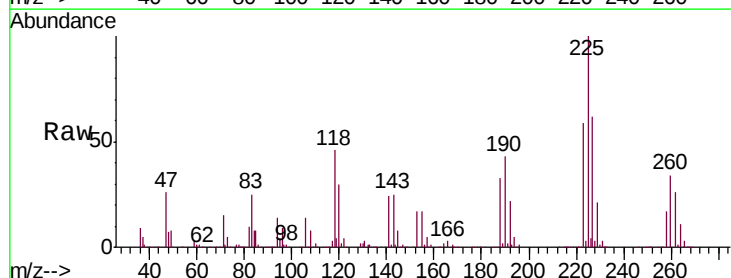
Tgt Ion:225 Resp: 1404514

Ion Ratio Lower Upper

225 100

223 62.4 50.8 76.2

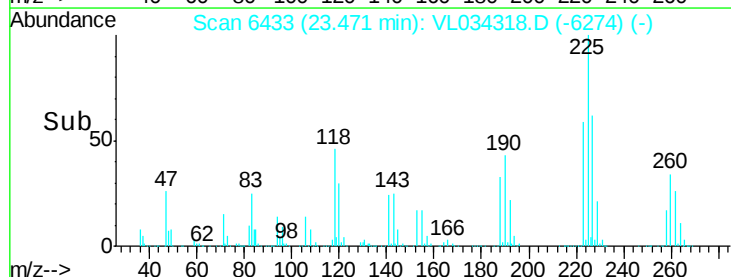
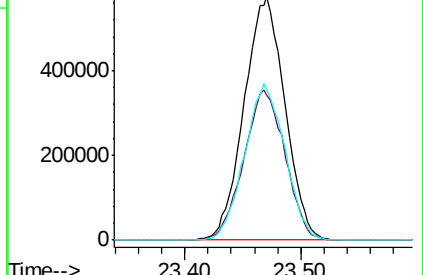
227 63.6 51.5 77.3

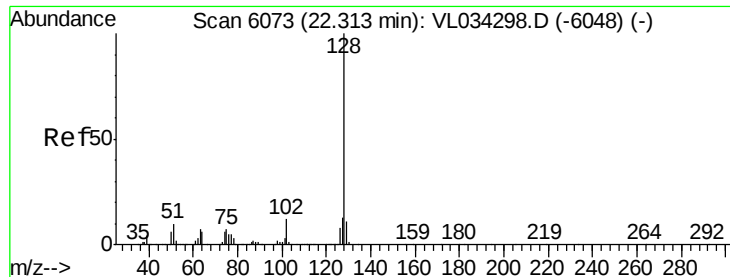


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 11.608 ppbv

RT: 22.32 min Scan# 6075

Delta R.T. 0.01 min

Lab File: VL034318.D

Acq: 17 Oct 2019 15:22

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01

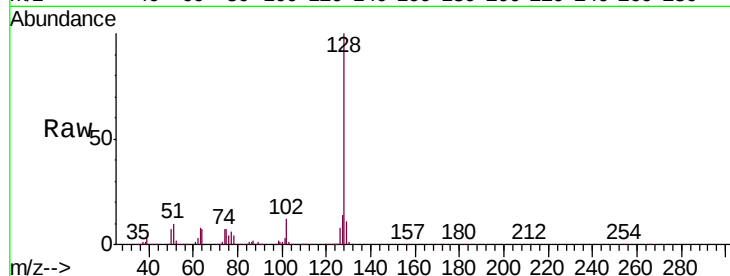
Tgt Ion:128 Resp: 2753822

Ion Ratio Lower Upper

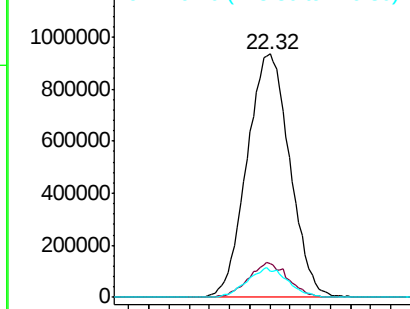
128 100

127 13.8 10.2 15.4

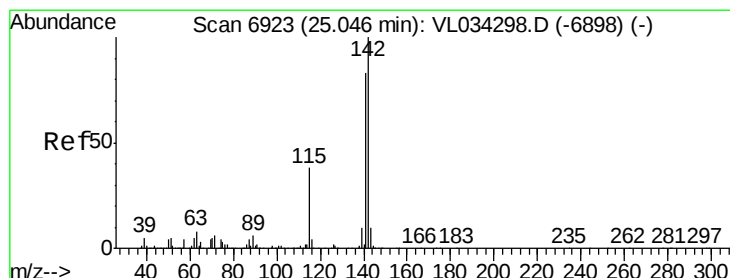
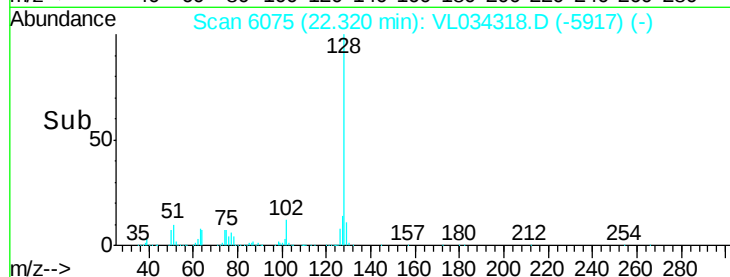
129 10.9 8.9 13.3



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



Time-->



#80

Naphthalene, 2-methyl-

Concen: 13.511 ppbv

RT: 25.05 min Scan# 6925

Delta R.T. 0.01 min

Lab File: VL034318.D

Acq: 17 Oct 2019 15:22

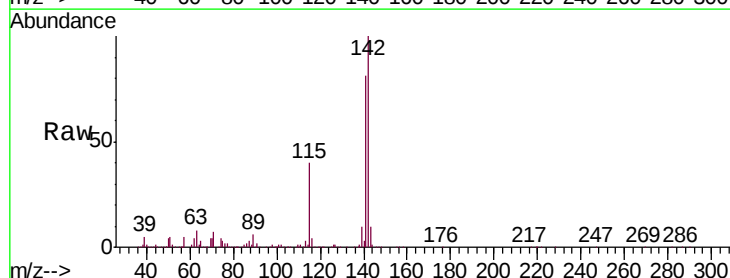
Tgt Ion:142 Resp: 926556

Ion Ratio Lower Upper

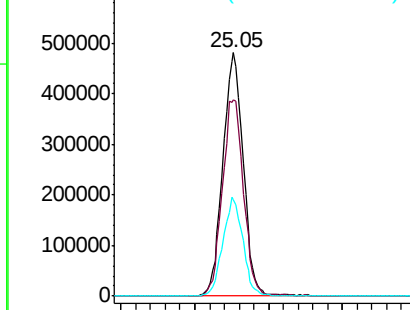
142 100

141 83.8 65.7 98.5

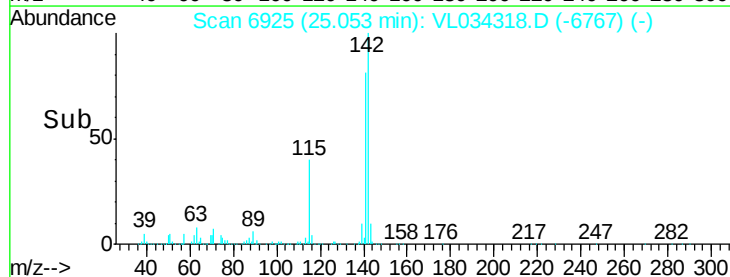
115 39.9 30.9 46.3

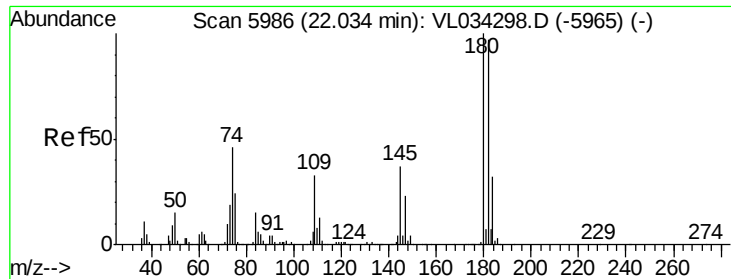


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V



Time-->

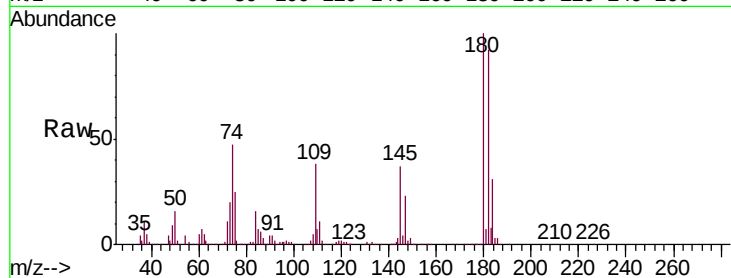




#81
 1,2,4-Trichlorobenzene
 Concen: 10.771 ppbv
 RT: 22.04 min Scan# 5989
 Delta R.T. 0.01 min
 Lab File: VL034318.D
 Acq: 17 Oct 2019 15:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017ABS01

Tgt Ion:180 Resp: 1669000
 Ion Ratio Lower Upper
 180 100
 182 95.7 77.8 116.8
 184 31.2 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

