

Data File : VL034176.D
Acq On : 17 Sep 2019 8:07
Operator : SY/AP
Sample : VSTDIC015
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Quant Time: Sep 17 08:33:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 17 05:58:04 2019
QLast Update : Tue Sep 17 05:58:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	1216331	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.23	114	2189478	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.17	117	2352179	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.51	95	2003532	10.33	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.30%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.03	85	1862460	9.653	ppbv	96
3) Chlorodifluoromethane	2.97	51	1932959	14.053	ppbv	100
4) Chloromethane	3.13	50	1188692	14.030	ppbv	100
5) Vinyl Chloride	3.25	62	1039866	13.461	ppbv	97
6) Bromomethane	3.47	94	508658	13.494	ppbv	94
7) Chloroethane	3.55	64	384438	14.557	ppbv	98
8) Dichlorotetrafluoroethane	3.18	85	2024233	12.574	ppbv	99
9) Propene	2.99	41	990928	13.187	ppbv	100
10) Heptane	8.18	43	2542169	12.974	ppbv	99
11) Trichlorofluoromethane	3.95	101	2179980	13.308	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1448102	13.300	ppbv	98
13) Ethanol	3.60	45	190397	12.997	ppbv	99
14) Bromoethene	3.74	108	633270	13.475	ppbv	99
15) Acetone	3.85	43	1933557	13.165	ppbv	99
16) 1,3-Butadiene	3.32	39	1034315	13.969	ppbv	99
17) tert-Butyl alcohol	4.30	59	1567925	14.811	ppbv	100
18) 1,1-Dichloroethene	4.30	96	683320	13.814	ppbv	90
19) Isopropyl Alcohol	3.98	45	1430864	14.556	ppbv	100
20) Methylene Chloride	4.36	84	616286	12.818	ppbv	96
21) Allyl Chloride	4.42	41	1356496	14.079	ppbv	99
22) trans-1,2-Dichloroethene	4.91	96	698373	14.052	ppbv	99
23) Vinyl Acetate	5.10	43	3350907	13.557	ppbv	99
24) 1,1-Dichloroethane	5.03	63	2169628	13.172	ppbv	99
25) Ethyl Acetate	5.71	43	3900558	12.161	ppbv	98
26) Hexane	5.72	57	1711049	12.008	ppbv	97
27) Carbon Disulfide	4.56	76	1864197	14.575	ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	2611056	12.638	ppbv	99
29) Chloroform	5.79	83	2515755	13.083	ppbv	100
30) Cyclohexane	7.18	84	1331839	13.071	ppbv	98
31) cis-1,2-Dichloroethene	5.58	61	1885515	13.800	ppbv	99
32) 1,1,1-Trichloroethane	6.56	97	2418471	13.296	ppbv	99
34) 2-Butanone	5.27	43	2878471	13.449	ppbv	97
35) Carbon Tetrachloride	7.07	117	2404274	13.898	ppbv	98
36) Benzene	6.94	78	3115675	12.463	ppbv	97
37) 1,2-Dichloroethane	6.35	62	2296350	14.496	ppbv	100
38) Trichloroethene	7.90	130	1060787	11.319	ppbv	99
39) 1,2-Dichloropropane	7.67	63	1441163	13.340	ppbv	98
40) 1,4-Dioxane	7.88	88	451106	11.525	ppbv #	94
41) Tetrahydrofuran	6.08	42	1759927	13.807	ppbv	100
42) Bromodichloromethane	7.85	83	2781114	13.717	ppbv	100
43) Methyl Methacrylate	8.07	69	1438109	13.925	ppbv	98

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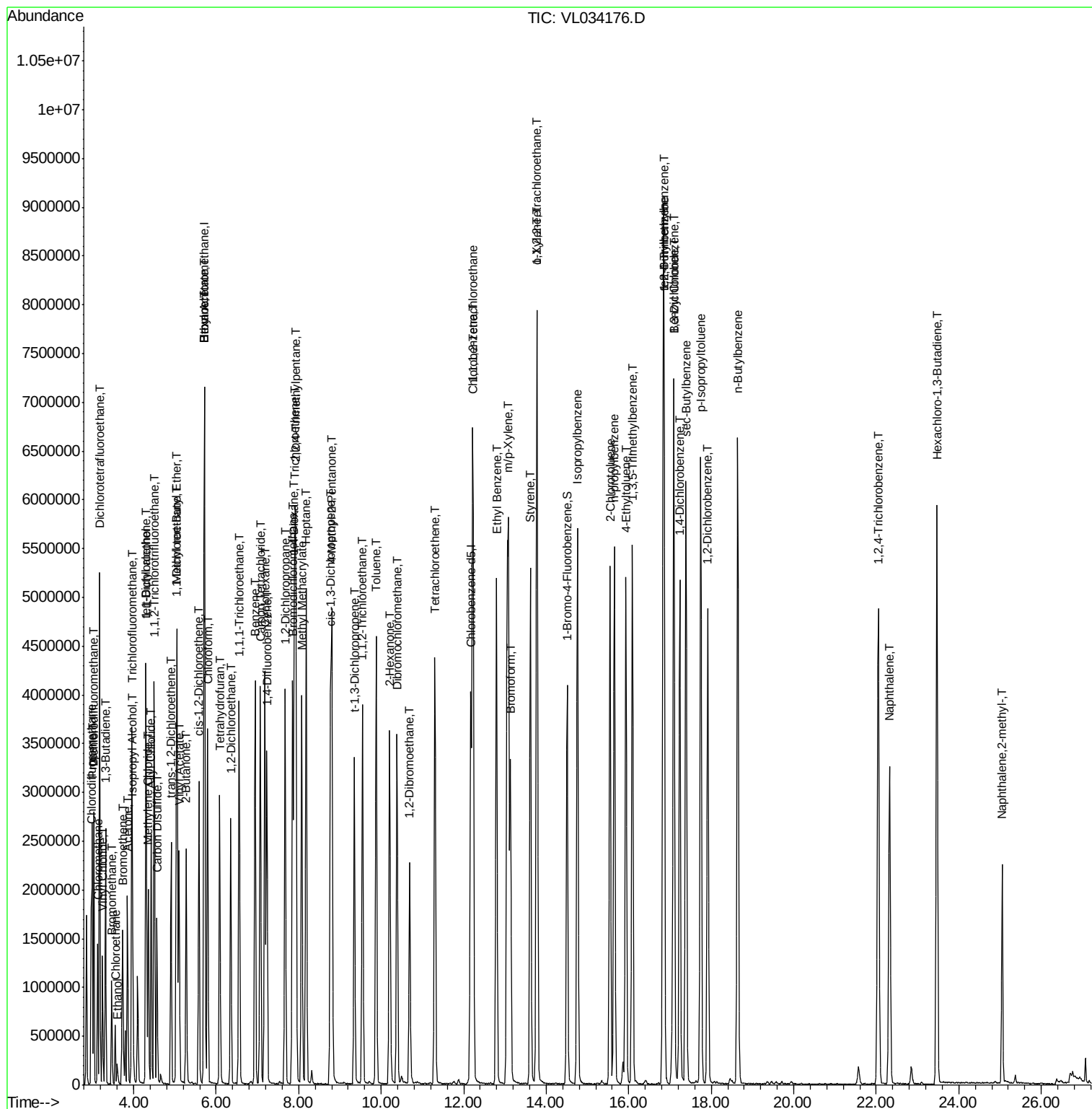
Quant Time: Sep 17 08:33:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 17 05:58:04 2019
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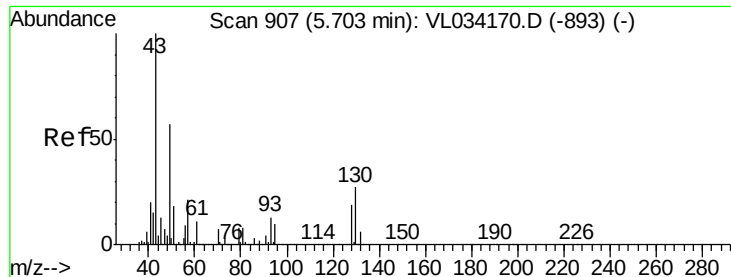
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.92	57	5498084	11.796	ppbv	97
45) t-1,3-Dichloropropene	9.35	75	1941013	15.903	ppbv	100
46) cis-1,3-Dichloropropene	8.77	75	2123942	14.317	ppbv	96
47) 1,1,2-Trichloroethane	9.55	97	1300405	13.292	ppbv	98
48) Dibromochloromethane	10.38	129	2135898	14.434	ppbv	99
49) Bromoform	13.13	173	1837143	14.302	ppbv	99
50) 4-Methyl-2-Pentanone	8.80	43	4109205	12.611	ppbv	98
51) 2-Hexanone	10.20	43	3655126	13.008	ppbv #	98
52) Tetrachloroethene	11.30	164	1003016	11.385	ppbv	94
53) Toluene	9.88	91	3476383	12.557	ppbv	99
54) 1,2-Dibromoethane	10.69	107	1936688	13.238	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.21	131	1365380	13.385	ppbv	99
57) Chlorobenzene	12.23	112	2476475	12.197	ppbv	98
58) Ethyl Benzene	12.80	91	4667157	12.079	ppbv	97
59) m/p-Xylene	13.08	91	3541801	11.234	ppbv #	20
60) o-Xylene	13.78	91	3787157	12.044	ppbv	99
61) Styrene	13.62	104	2985052	12.763	ppbv	99
62) Isopropylbenzene	14.76	105	4853285	11.860	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.77	83	2810161	10.947	ppbv	100
64) n-propylbenzene	15.65	120	1321469	12.876	ppbv	94
65) tert-Butylbenzene	16.84	119	2119264	5.987	ppbv #	15
66) Benzyl Chloride	17.09	91	2295154	17.930	ppbv	99
67) sec-Butylbenzene	17.39	105	5878186	11.532	ppbv	98
69) p-Isopropyltoluene	17.75	119	4849586	11.885	ppbv	97
70) n-Butylbenzene	18.64	91	5494196	11.784	ppbv	97
71) 2-Chlorotoluene	15.55	91	4093108	12.240	ppbv	98
72) 4-Ethyltoluene	15.93	105	4431377	12.473	ppbv	99
73) 1,3,5-Trimethylbenzene	16.09	105	4205258	12.181	ppbv	96
74) 1,2,4-Trimethylbenzene	16.86	105	4165949	11.678	ppbv	97
75) 1,3-Dichlorobenzene	17.09	146	2353958	12.451	ppbv	100
76) 1,4-Dichlorobenzene	17.24	146	2420643	12.244	ppbv	99
77) 1,2-Dichlorobenzene	17.91	146	2370730	12.266	ppbv	99
78) Hexachloro-1,3-Butadiene	23.47	225	1535409	11.769	ppbv	98
79) Naphthalene	22.32	128	3984307	12.485	ppbv	99
80) Naphthalene,2-methyl-	25.05	142	1216637	11.257	ppbv	98
81) 1,2,4-Trichlorobenzene	22.05	180	2168570	12.434	ppbv	100

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

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration

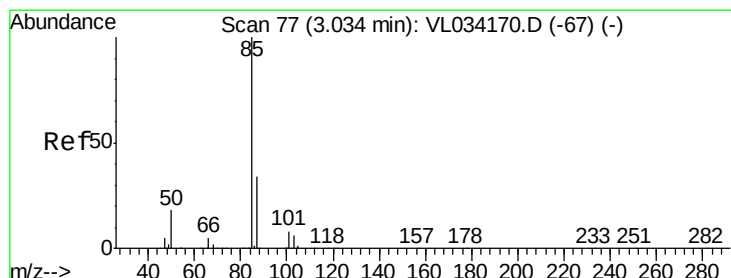
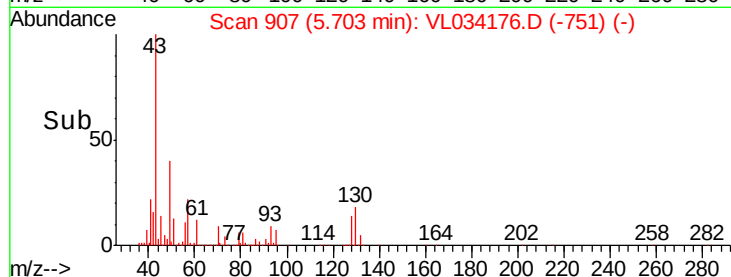
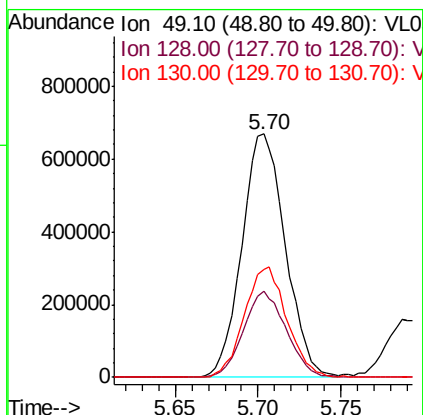
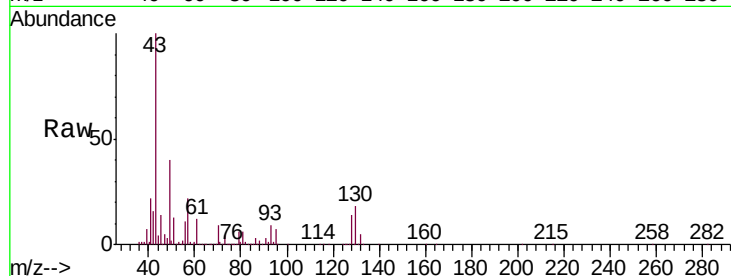




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.70 min Scan# 907
 Delta R.T. 0.00 min
 Lab File: VL034176.D
 Acq: 17 Sep 2019 8:07

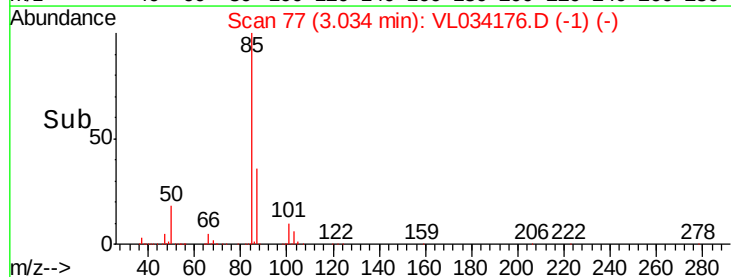
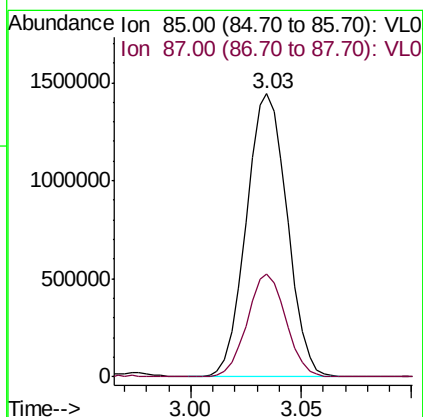
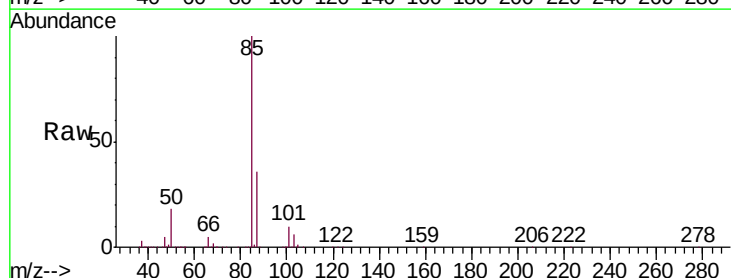
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

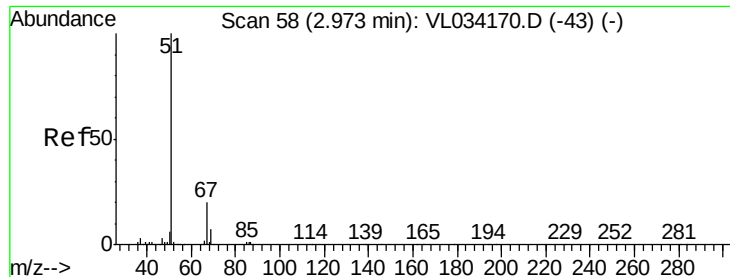
Tgt Ion: 49 Resp: 1216331
 Ion Ratio Lower Upper
 49 100
 128 34.8 17.6 52.9
 130 44.8 22.3 66.9



#2
 Dichlorodifluoromethane
 Concen: 9.653 ppbv
 RT: 3.03 min Scan# 77
 Delta R.T. 0.00 min
 Lab File: VL034176.D
 Acq: 17 Sep 2019 8:07

Tgt Ion: 85 Resp: 1862460
 Ion Ratio Lower Upper
 85 100
 87 36.5 27.2 40.8





#3

Chlorodifluoromethane

Concen: 14.053 ppbv

RT: 2.97 min Scan# 58

Delta R.T. 0.00 min

Lab File: VL034176.D

Acq: 17 Sep 2019 8:07

Instrument :

MSVOA_L

ClientSampleId :

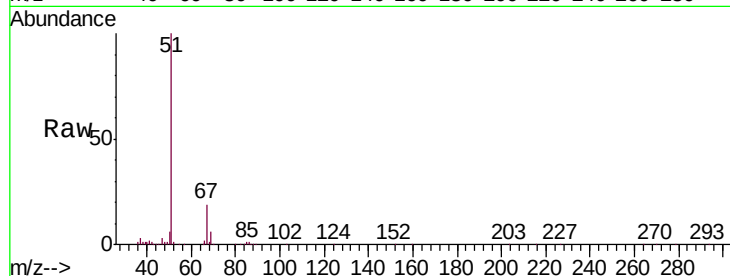
VSTDIC015

Tgt Ion: 51 Resp: 1932959

Ion Ratio Lower Upper

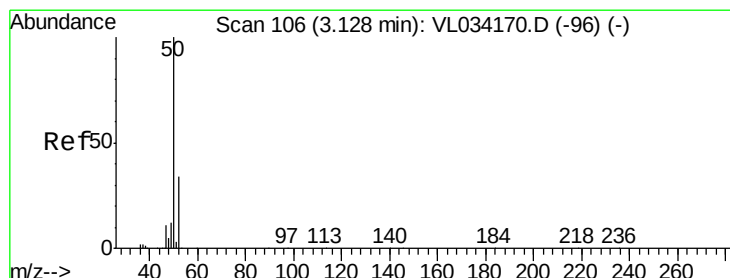
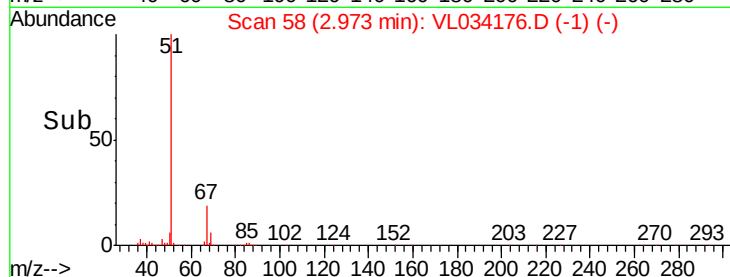
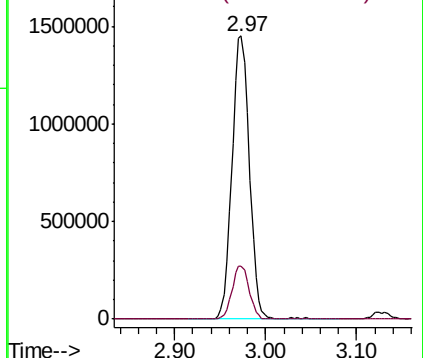
51 100

67 18.6 14.8 22.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 14.030 ppbv

RT: 3.13 min Scan# 106

Delta R.T. 0.00 min

Lab File: VL034176.D

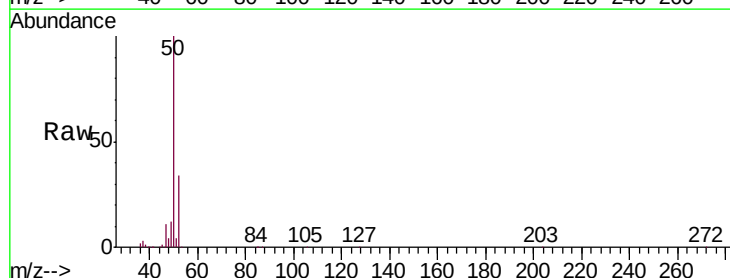
Acq: 17 Sep 2019 8:07

Tgt Ion: 50 Resp: 1188692

Ion Ratio Lower Upper

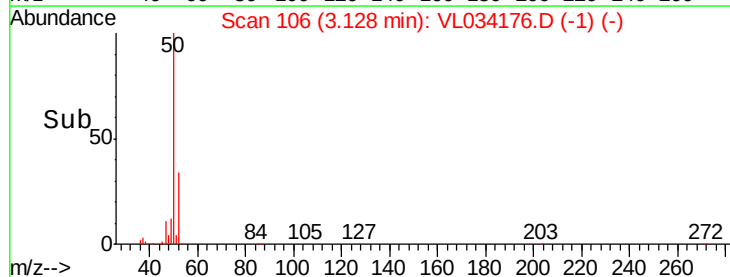
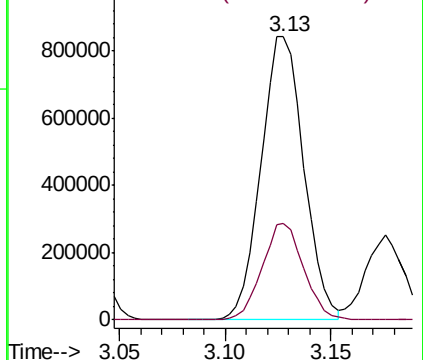
50 100

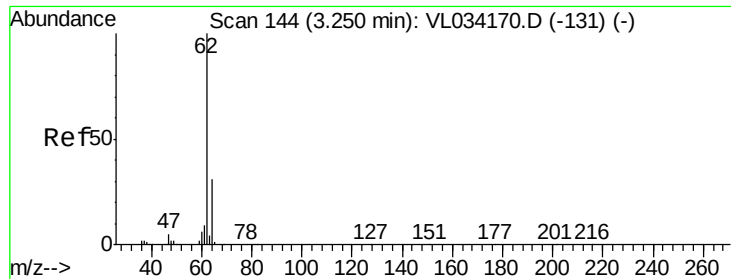
52 34.0 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 13.461 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.00 min

Lab File: VL034176.D

Acq: 17 Sep 2019 8:07

Instrument :

MSVOA_L

ClientSampleId :

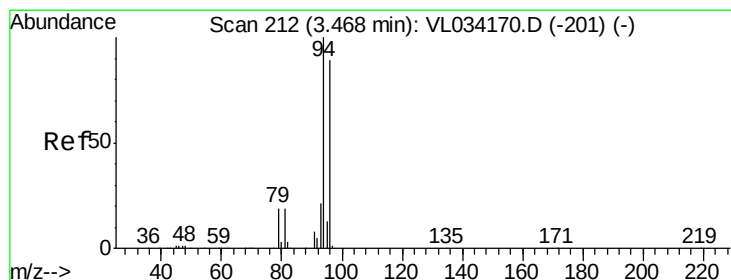
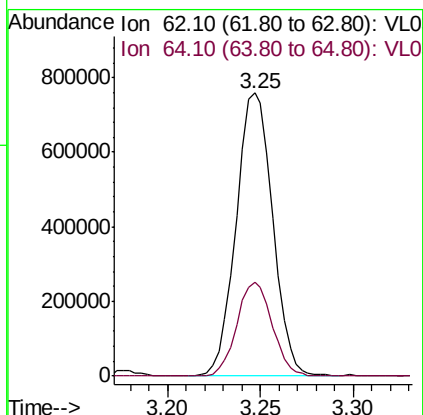
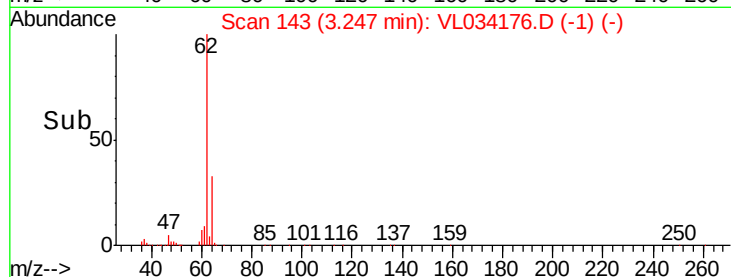
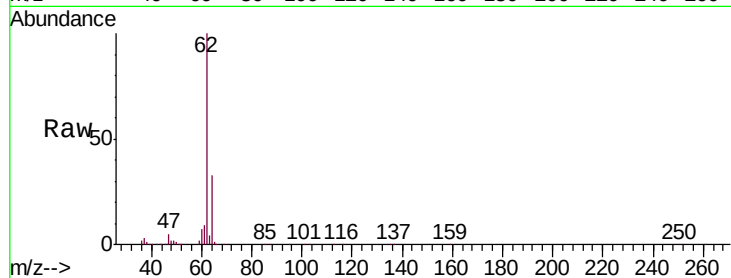
VSTDIC015

Tgt Ion: 62 Resp: 1039866

Ion Ratio Lower Upper

62 100

64 33.3 25.2 37.8



#6

Bromomethane

Concen: 13.494 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.00 min

Lab File: VL034176.D

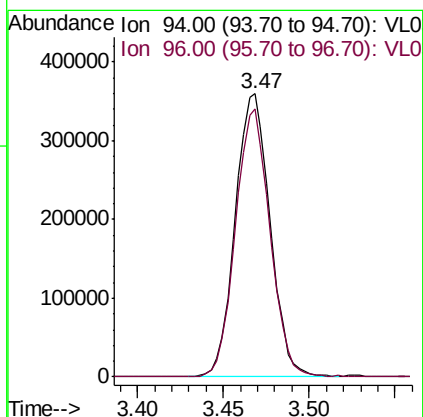
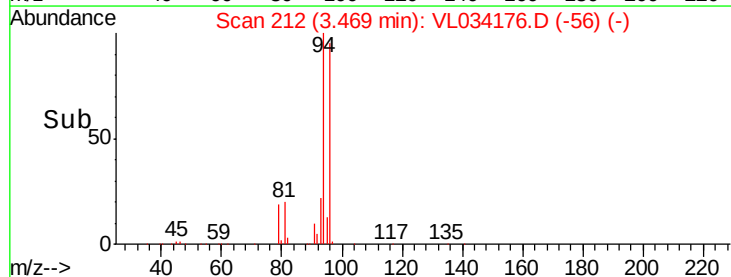
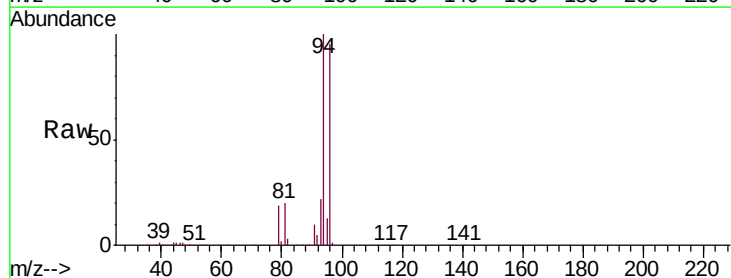
Acq: 17 Sep 2019 8:07

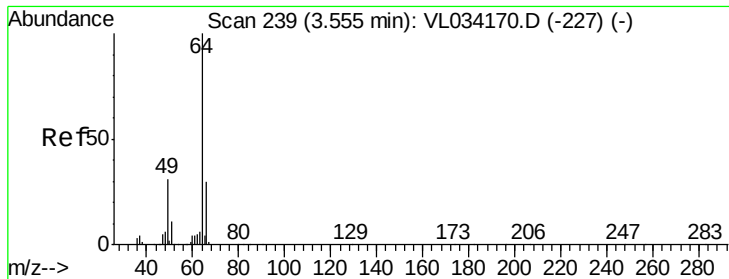
Tgt Ion: 94 Resp: 508658

Ion Ratio Lower Upper

94 100

96 94.8 71.3 106.9





#7

Chloroethane

Concen: 14.557 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.00 min

Lab File: VL034176.D

Acq: 17 Sep 2019 8:07

Instrument :

MSVOA_L

ClientSampleId :

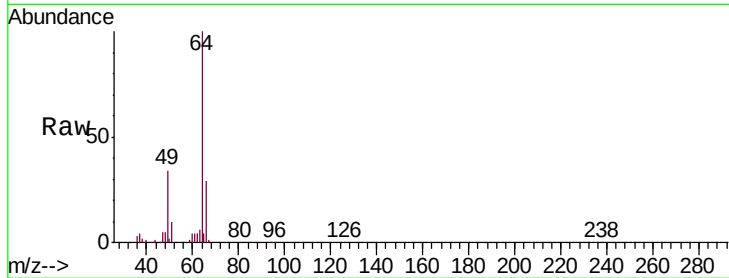
VSTDIC015

Tgt Ion: 64 Resp: 384438

Ion Ratio Lower Upper

64 100

66 29.3 24.2 36.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

300000

250000

200000

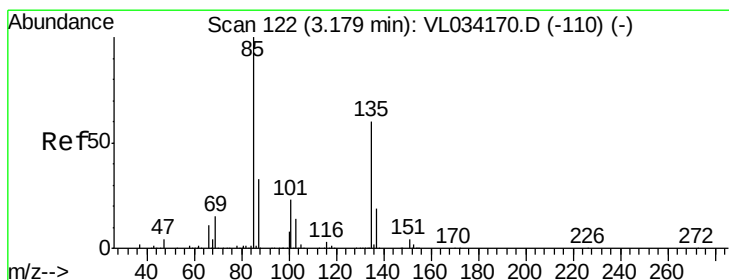
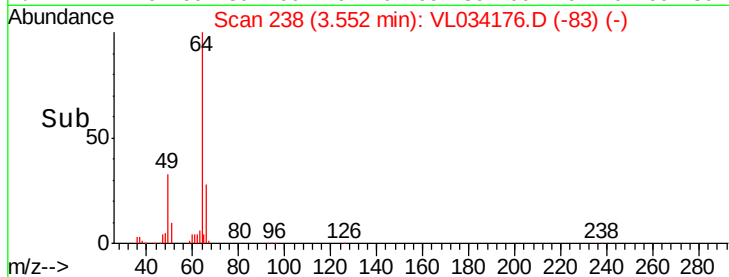
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 12.574 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.00 min

Lab File: VL034176.D

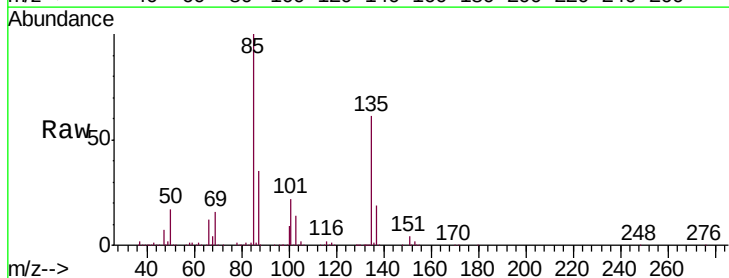
Acq: 17 Sep 2019 8:07

Tgt Ion: 85 Resp: 2024233

Ion Ratio Lower Upper

85 100

135 59.9 47.3 70.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.18

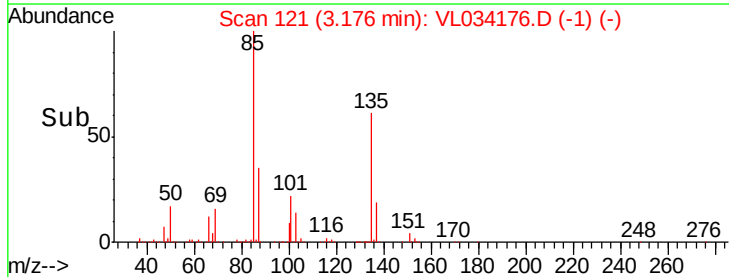
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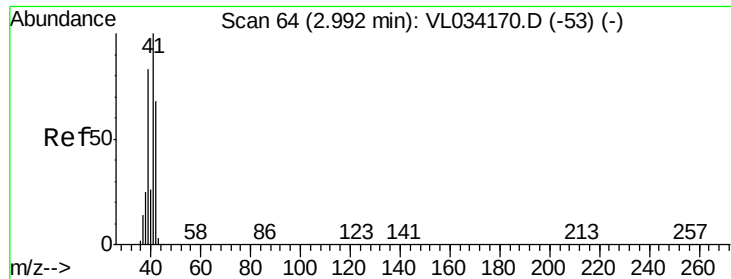
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500000

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Time-->





#9

Propene

Concen: 13.187 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.00 min

Lab File: VL034176.D

Acq: 17 Sep 2019 8:07

Instrument :

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ClientSampleId :

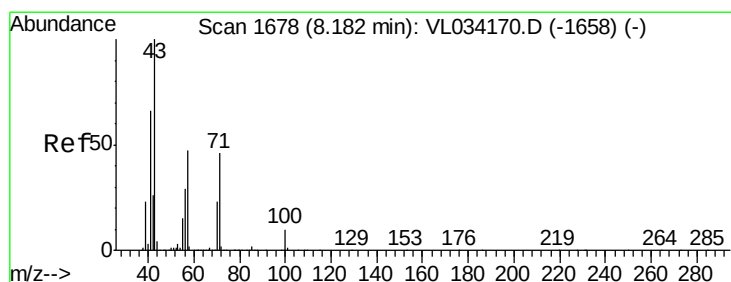
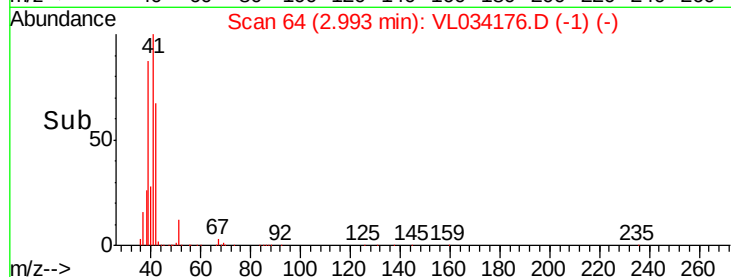
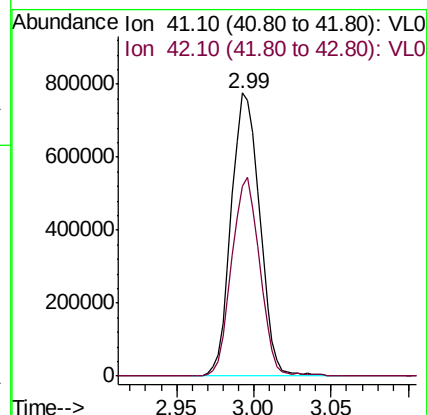
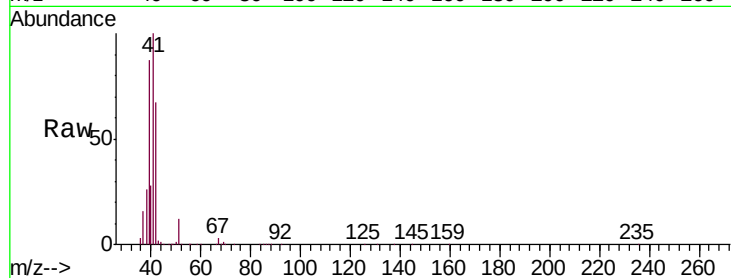
VSTDIC015

Tgt Ion: 41 Resp: 990928

Ion Ratio Lower Upper

41 100

42 69.3 55.8 83.6



#10

Heptane

Concen: 12.974 ppbv

RT: 8.18 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VL034176.D

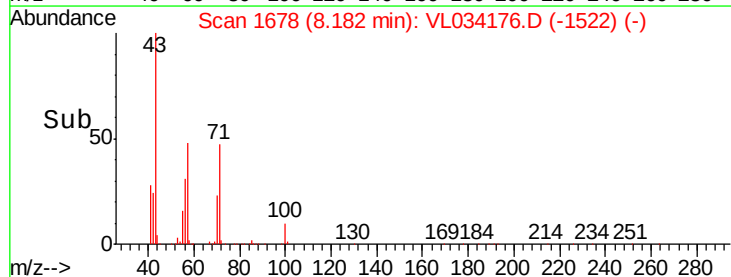
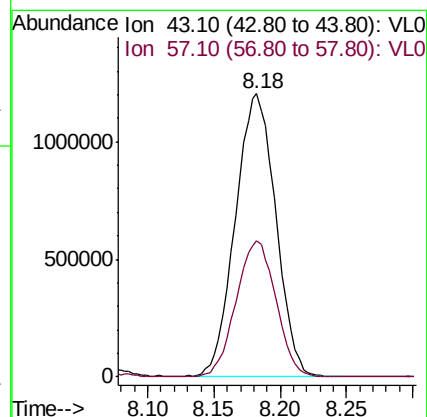
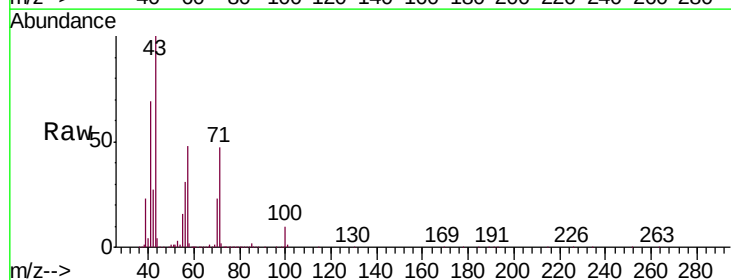
Acq: 17 Sep 2019 8:07

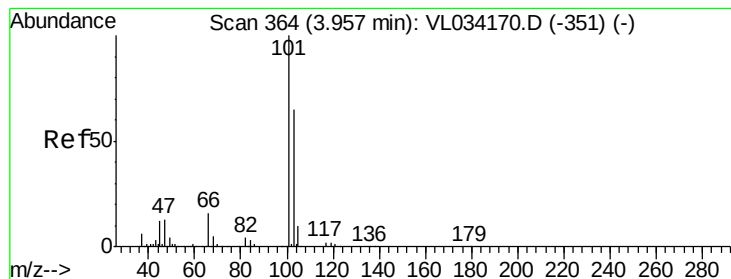
Tgt Ion: 43 Resp: 2542169

Ion Ratio Lower Upper

43 100

57 47.5 37.5 56.3





#11

Trichlorofluoromethane

Concen: 13.308 ppbv

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VL034176.D

Acq: 17 Sep 2019 8:07

Instrument :

MSVOA_L

ClientSampleId :

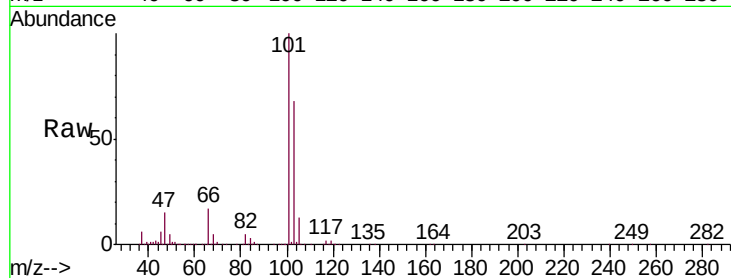
VSTDIC015

Tgt Ion:101 Resp: 2179980

Ion Ratio Lower Upper

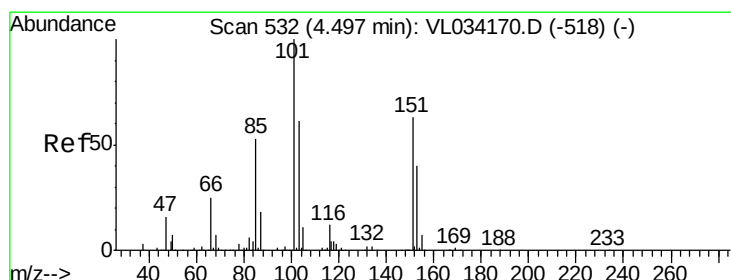
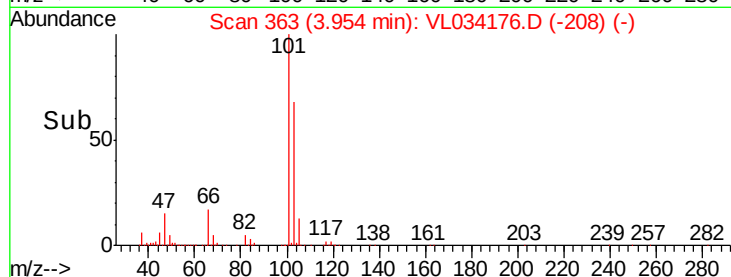
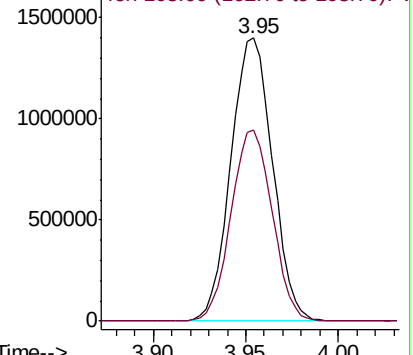
101 100

103 67.8 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 13.300 ppbv

RT: 4.50 min Scan# 532

Delta R.T. 0.00 min

Lab File: VL034176.D

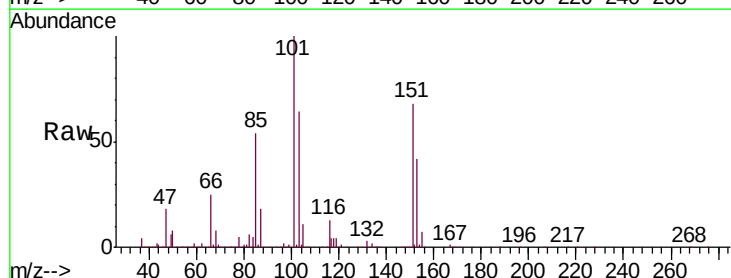
Acq: 17 Sep 2019 8:07

Tgt Ion:101 Resp: 1448102

Ion Ratio Lower Upper

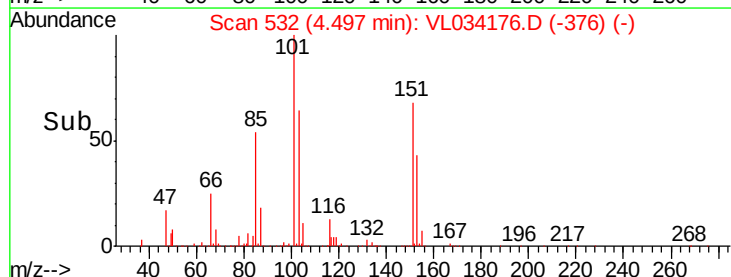
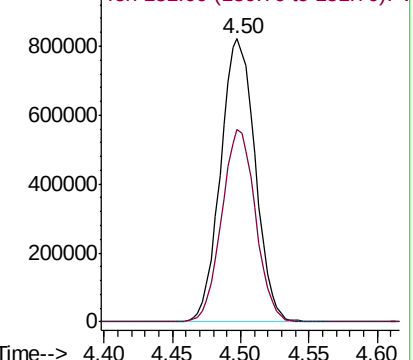
101 100

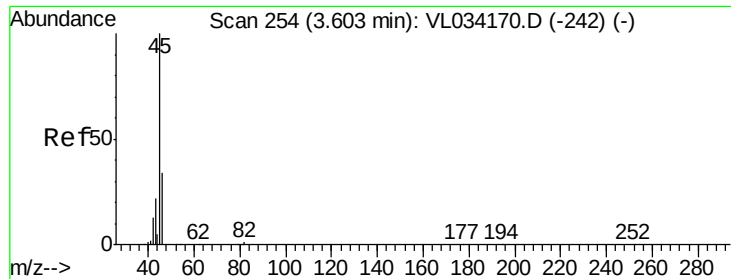
151 66.3 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

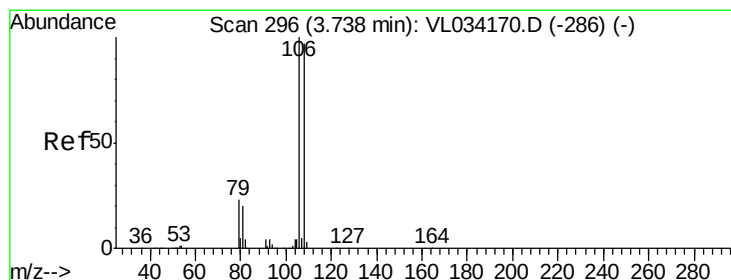
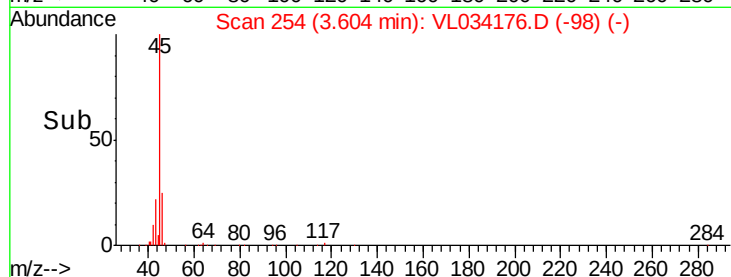
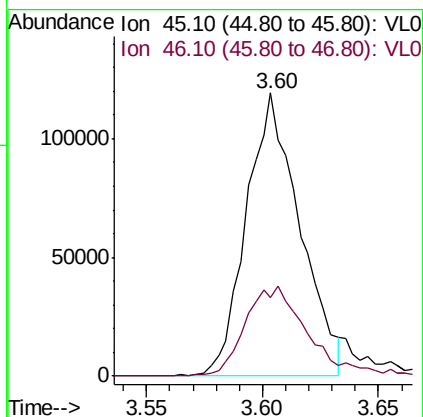
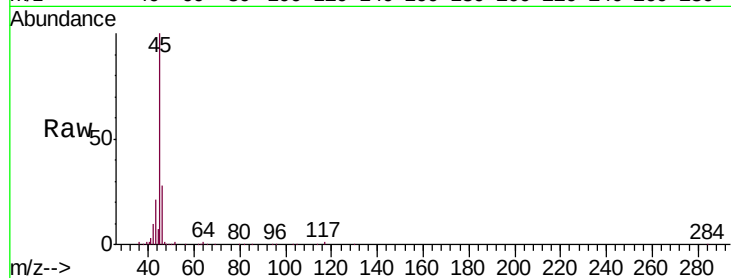




#13
Ethanol
Concen: 12.997 ppbv
RT: 3.60 min Scan# 254
Delta R.T. 0.00 min
Lab File: VL034176.D
Acq: 17 Sep 2019 8:07

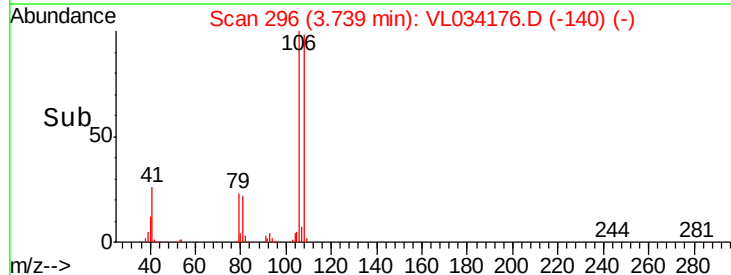
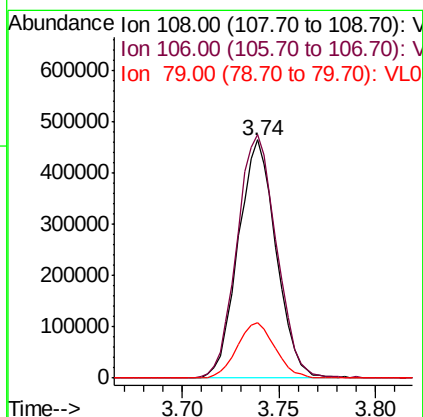
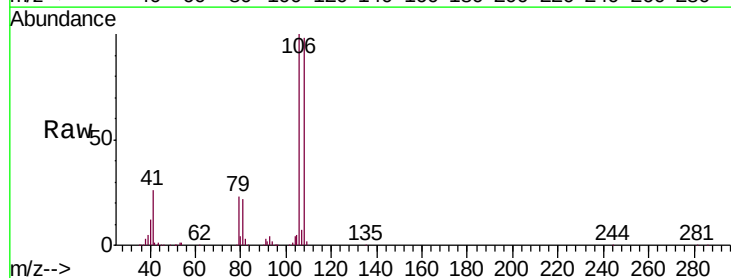
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

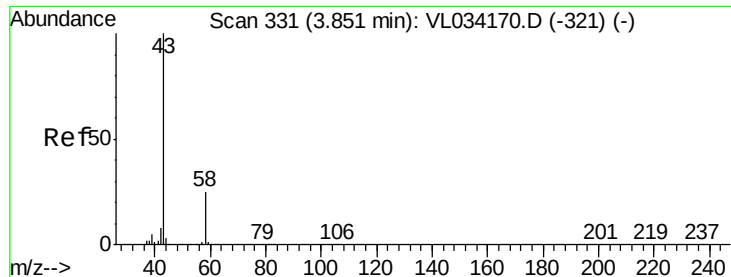
Tgt Ion: 45 Resp: 190397
Ion Ratio Lower Upper
45 100
46 38.3 15.5 61.9



#14
Bromoethene
Concen: 13.475 ppbv
RT: 3.74 min Scan# 296
Delta R.T. 0.00 min
Lab File: VL034176.D
Acq: 17 Sep 2019 8:07

Tgt Ion: 108 Resp: 633270
Ion Ratio Lower Upper
108 100
106 106.6 86.2 129.4
79 23.5 18.6 27.8





#15

Acetone

Concen: 13.165 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL034176.D

Acq: 17 Sep 2019 8:07

Instrument :

MSVOA_L

ClientSampleId :

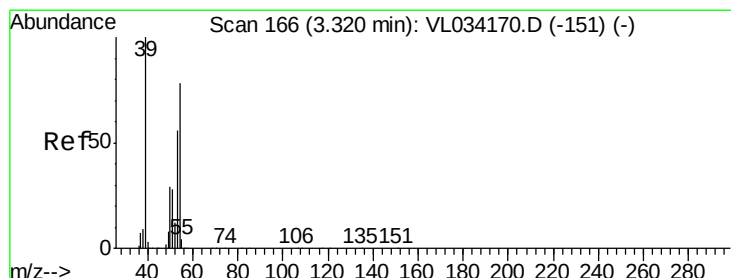
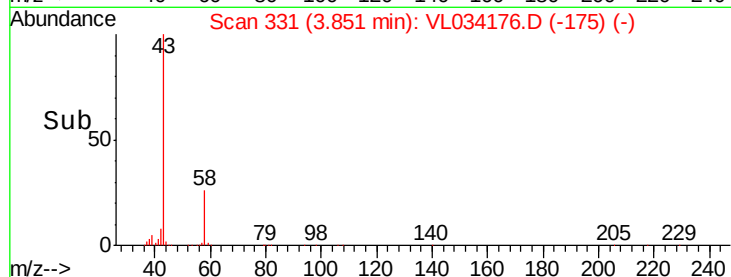
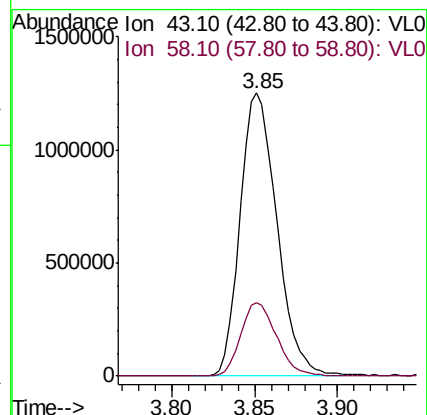
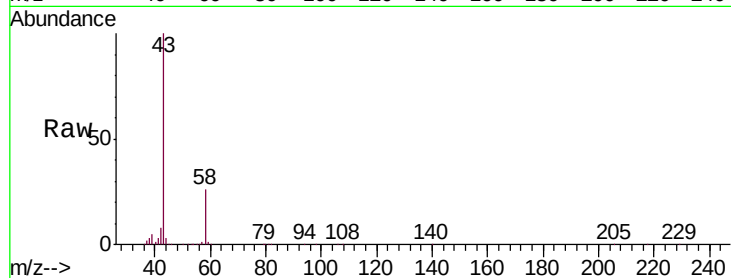
VSTDIC015

Tgt Ion: 43 Resp: 1933557

Ion Ratio Lower Upper

43 100

58 25.2 20.5 30.7



#16

1,3-Butadiene

Concen: 13.969 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.00 min

Lab File: VL034176.D

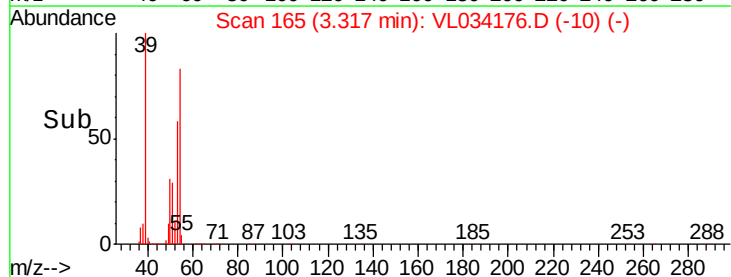
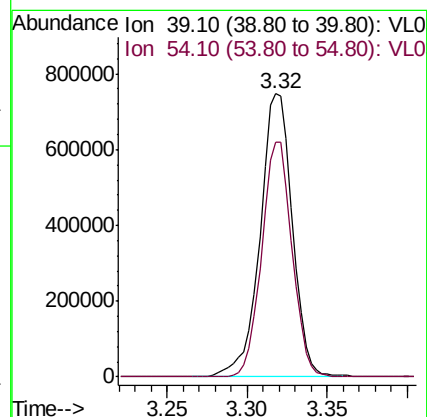
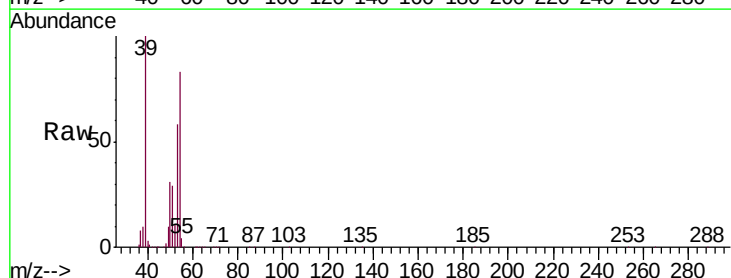
Acq: 17 Sep 2019 8:07

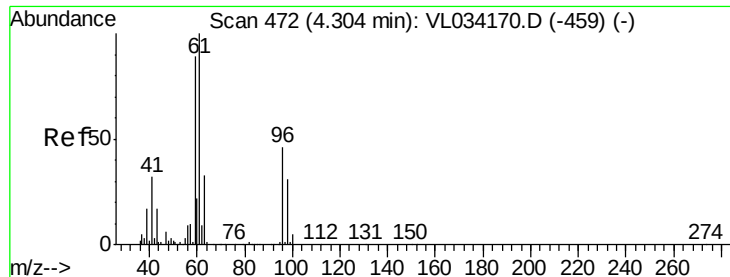
Tgt Ion: 39 Resp: 1034315

Ion Ratio Lower Upper

39 100

54 78.4 63.4 95.0

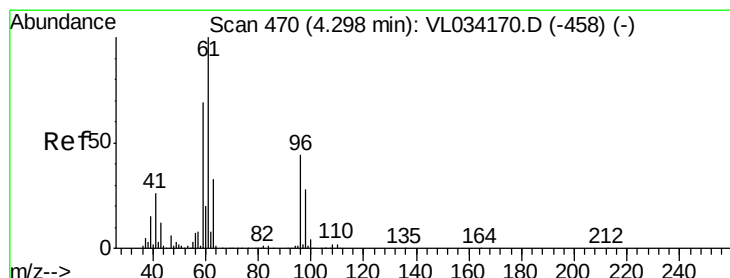
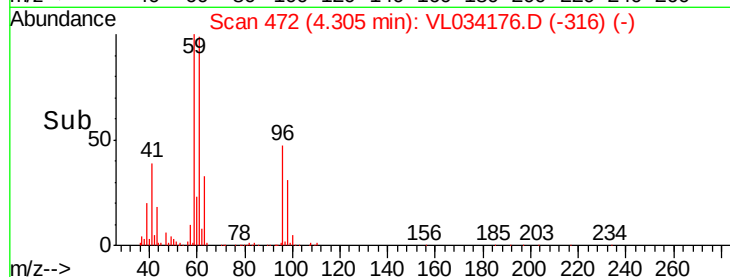
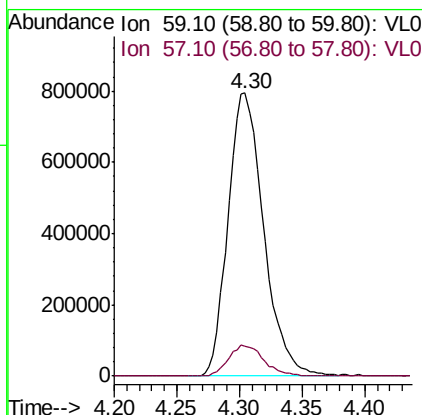
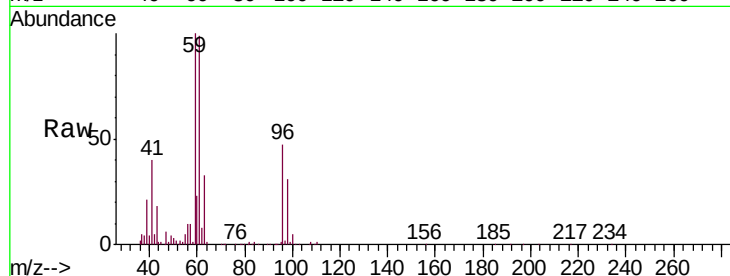




#17
 tert-Butyl alcohol
 Concen: 14.811 ppbv
 RT: 4.30 min Scan# 472
 Delta R.T. 0.00 min
 Lab File: VL034176.D
 Acq: 17 Sep 2019 8:07

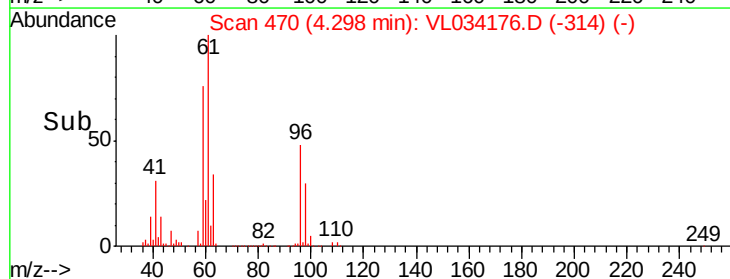
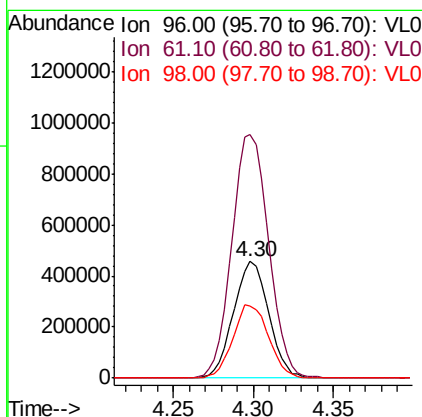
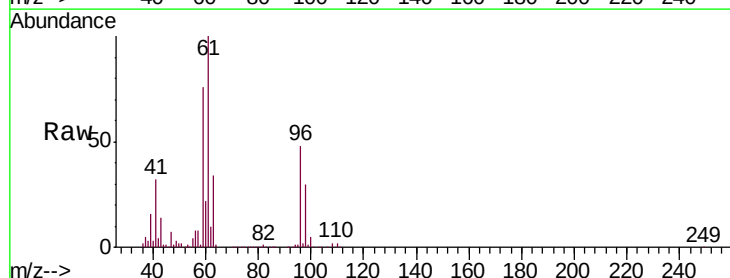
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

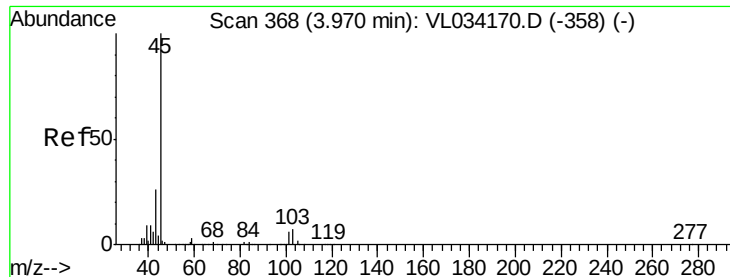
Tgt Ion: 59 Resp: 1567925
 Ion Ratio Lower Upper
 59 100
 57 11.1 8.7 13.1



#18
 1,1-Dichloroethene
 Concen: 13.814 ppbv
 RT: 4.30 min Scan# 470
 Delta R.T. 0.00 min
 Lab File: VL034176.D
 Acq: 17 Sep 2019 8:07

Tgt Ion: 96 Resp: 683320
 Ion Ratio Lower Upper
 96 100
 61 209.1 183.3 274.9
 98 62.4 51.4 77.2



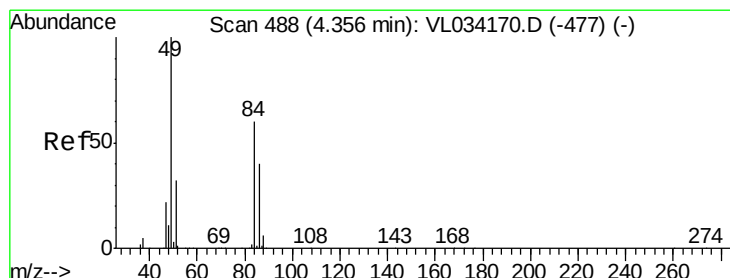
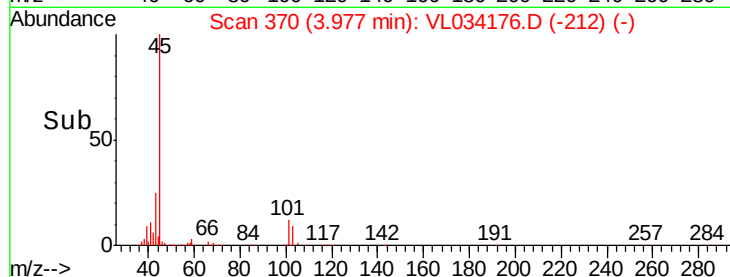
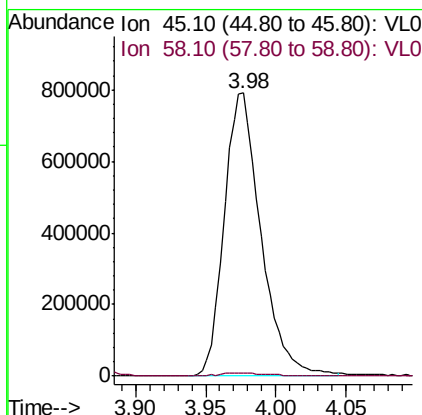
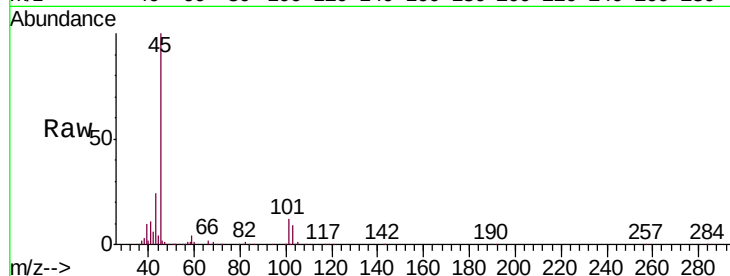


#19

Isopropyl Alcohol
 Concen: 14.556 ppbv
 RT: 3.98 min Scan# 370
 Delta R.T. 0.01 min
 Lab File: VL034176.D
 Acq: 17 Sep 2019 8:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

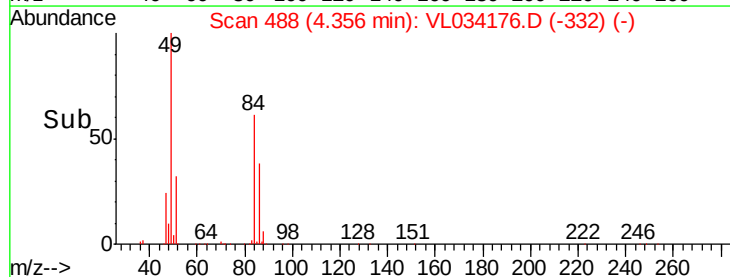
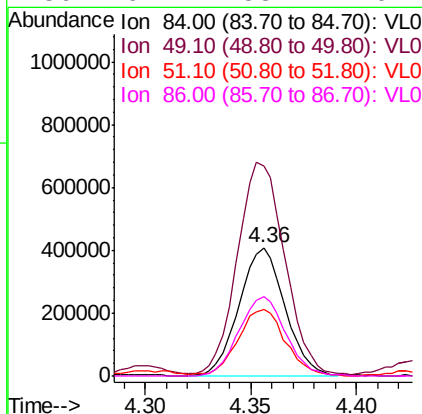
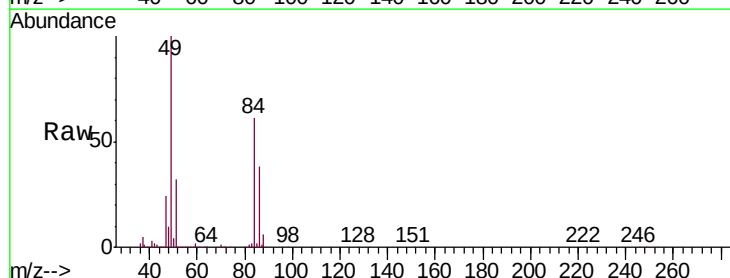
Tgt Ion: 45 Resp: 1430864
 Ion Ratio Lower Upper
 45 100
 58 1.8 1.4 2.0

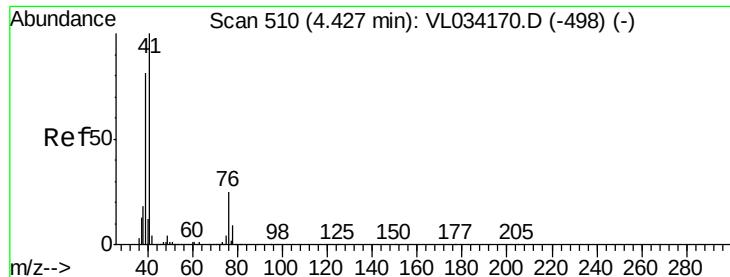


#20

Methylene Chloride
 Concen: 12.818 ppbv
 RT: 4.36 min Scan# 488
 Delta R.T. 0.00 min
 Lab File: VL034176.D
 Acq: 17 Sep 2019 8:07

Tgt Ion: 84 Resp: 616286
 Ion Ratio Lower Upper
 84 100
 49 162.6 133.8 200.8
 51 51.0 43.6 65.4
 86 62.2 53.1 79.7





#21

Allyl Chloride

Concen: 14.079 ppbv

RT: 4.42 min Scan# 509

Delta R.T. -0.00 min

Lab File: VL034176.D

Acq: 17 Sep 2019 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

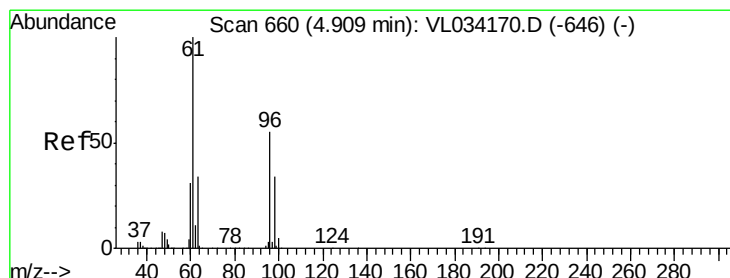
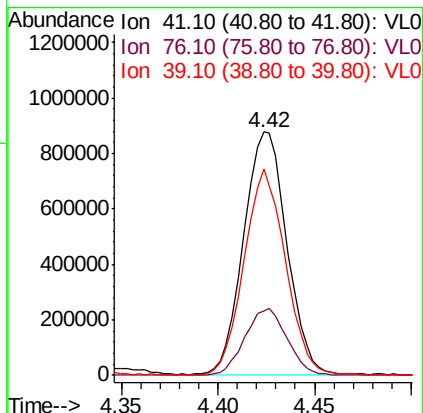
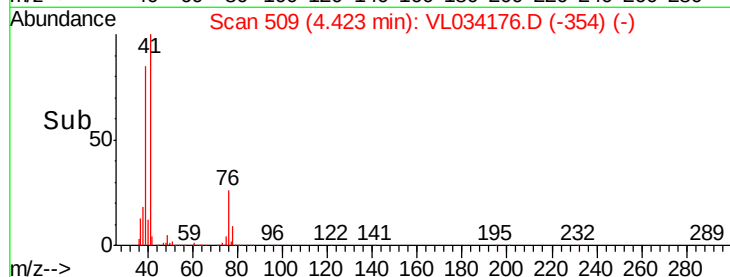
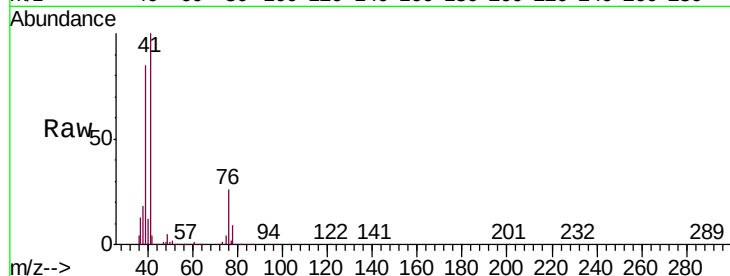
Tgt Ion: 41 Resp: 1356496

Ion Ratio Lower Upper

41 100

76 27.0 21.8 32.6

39 82.0 64.8 97.2



#22

trans-1,2-Dichloroethene

Concen: 14.052 ppbv

RT: 4.91 min Scan# 659

Delta R.T. -0.00 min

Lab File: VL034176.D

Acq: 17 Sep 2019 8:07

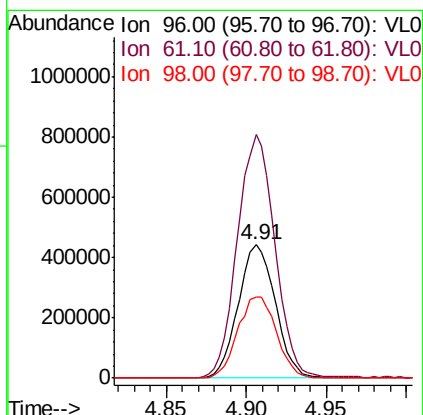
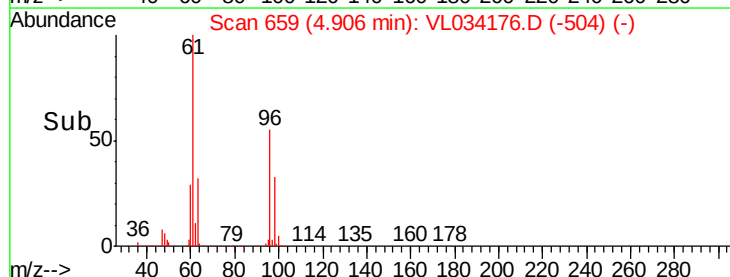
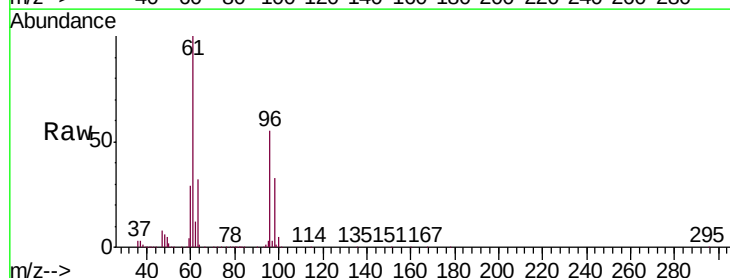
Tgt Ion: 96 Resp: 698373

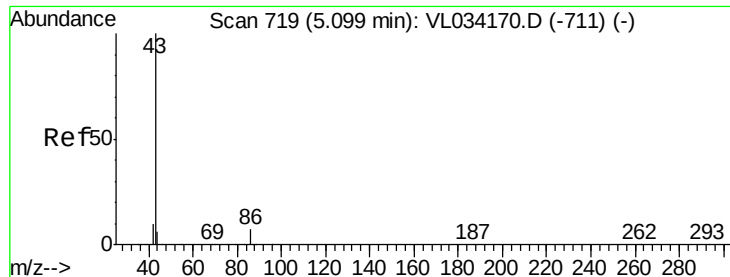
Ion Ratio Lower Upper

96 100

61 183.1 145.5 218.3

98 60.5 49.9 74.9





#23

Vinyl Acetate

Concen: 13.557 ppbv

RT: 5.10 min Scan# 719

Delta R.T. 0.00 min

Lab File: VL034176.D

Acq: 17 Sep 2019 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 43 Resp: 3350907

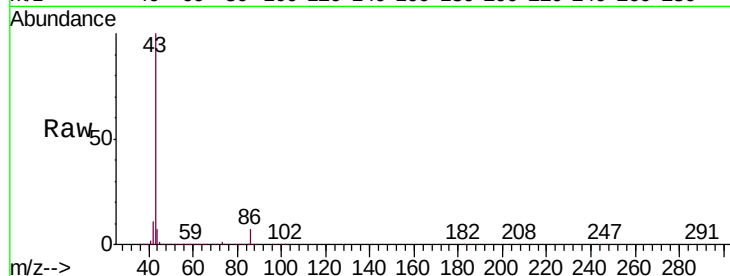
Ion Ratio Lower Upper

43 100

86 7.0 5.1 7.7

42 11.1 8.6 12.8

44 6.4 4.7 7.1

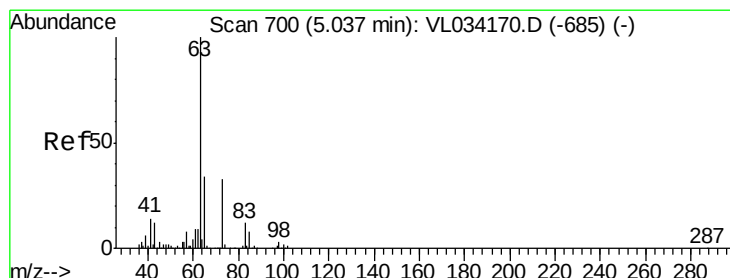
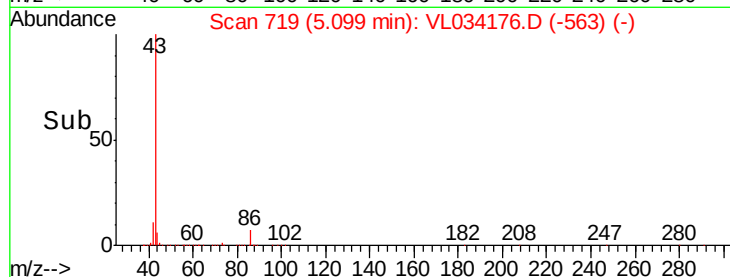
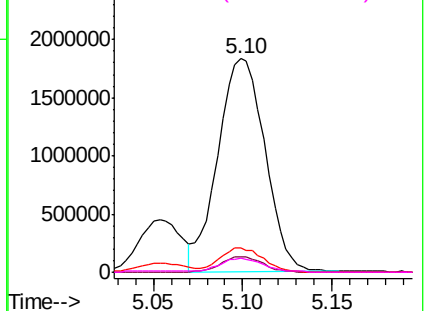


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 13.172 ppbv

RT: 5.03 min Scan# 699

Delta R.T. -0.00 min

Lab File: VL034176.D

Acq: 17 Sep 2019 8:07

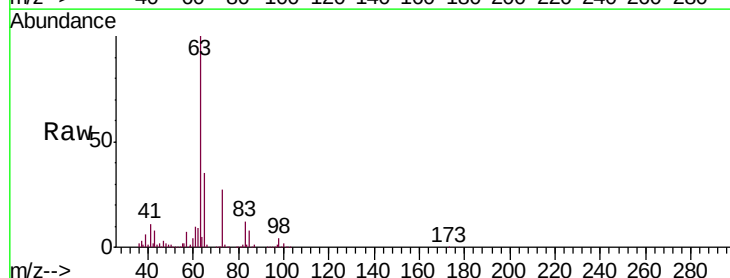
Tgt Ion: 63 Resp: 2169628

Ion Ratio Lower Upper

63 100

98 3.9 1.8 5.3

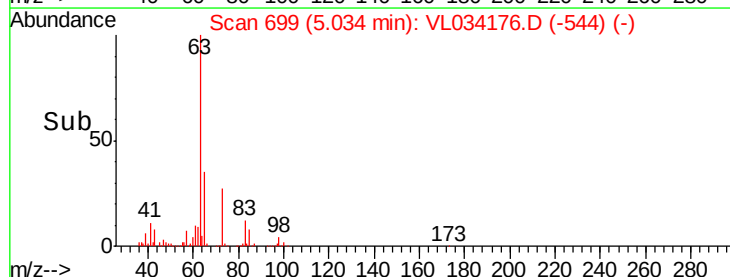
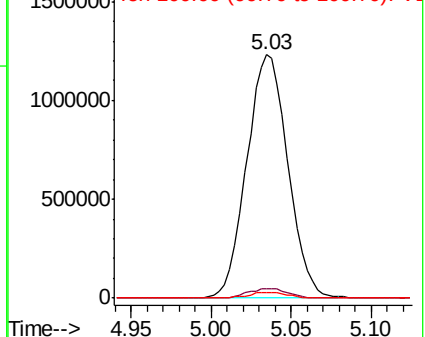
100 2.2 1.0 3.0

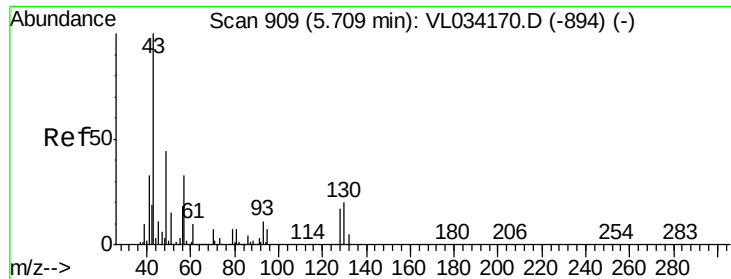


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



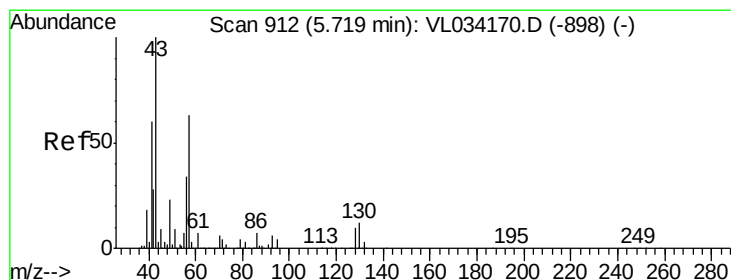
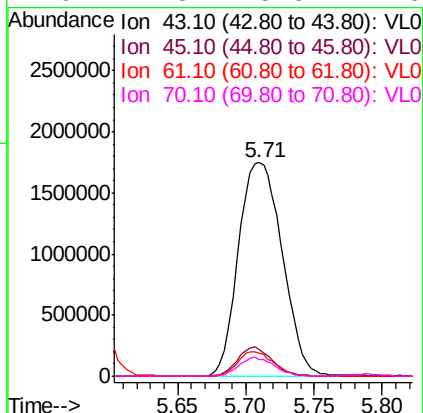
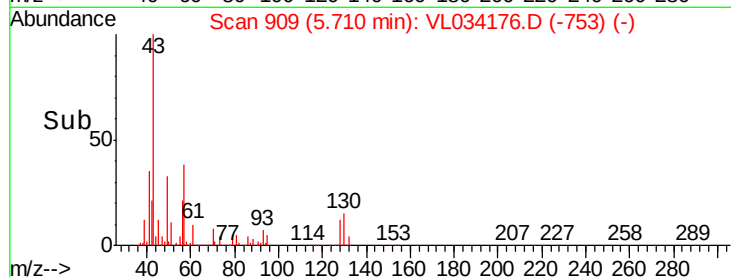
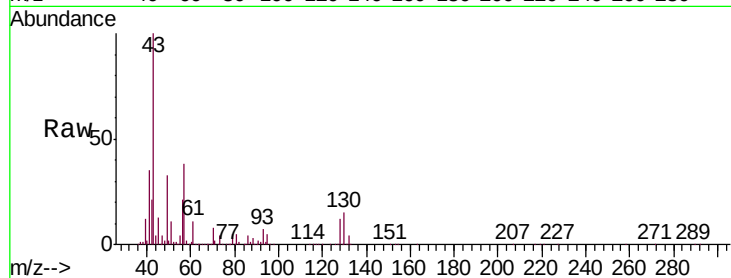


#25
Ethyl Acetate
Concen: 12.161 ppbv
RT: 5.71 min Scan# 909
Delta R.T. 0.00 min
Lab File: VL034176.D
Acq: 17 Sep 2019 8:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 43 Resp: 3900558

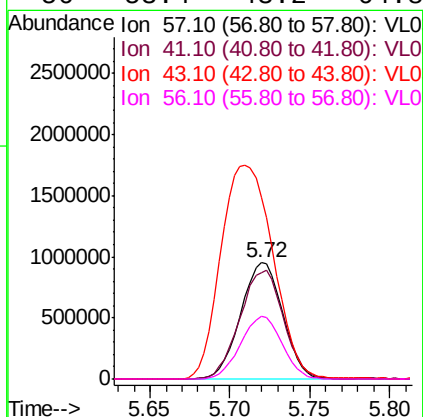
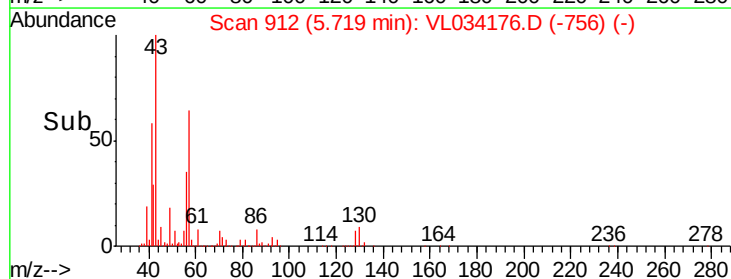
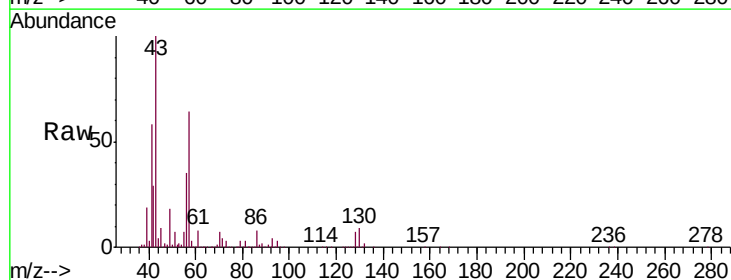
Ion	Ratio	Lower	Upper
43	100		
45	11.0	8.4	12.6
61	9.5	7.2	10.8
70	7.3	5.3	7.9

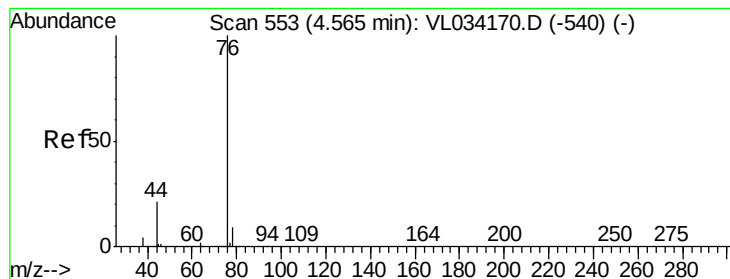


#26
Hexane
Concen: 12.008 ppbv
RT: 5.72 min Scan# 912
Delta R.T. 0.00 min
Lab File: VL034176.D
Acq: 17 Sep 2019 8:07

Tgt Ion: 57 Resp: 1711049

Ion	Ratio	Lower	Upper
57	100		
41	96.5	78.5	117.7
43	229.1	189.5	284.3
56	53.4	43.2	64.8





#27

Carbon Disulfide

Concen: 14.575 ppbv

RT: 4.56 min Scan# 553

Delta R.T. 0.00 min

Lab File: VL034176.D

Acq: 17 Sep 2019 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

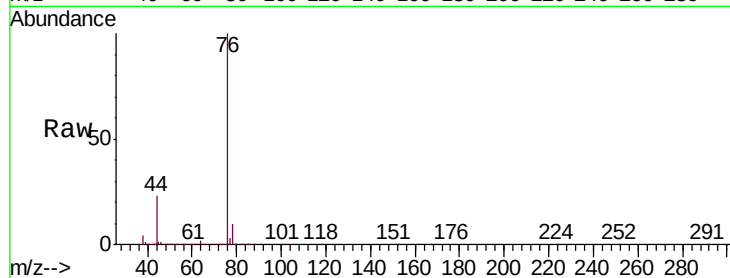
Tgt Ion: 76 Resp: 1864197

Ion Ratio Lower Upper

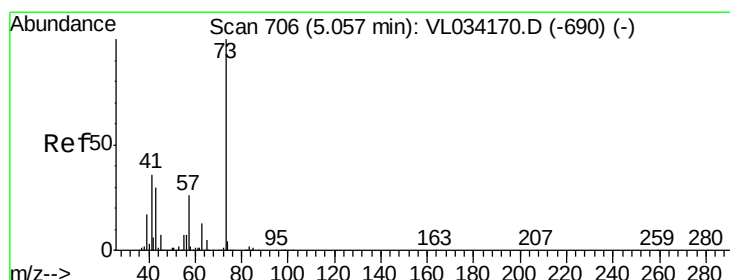
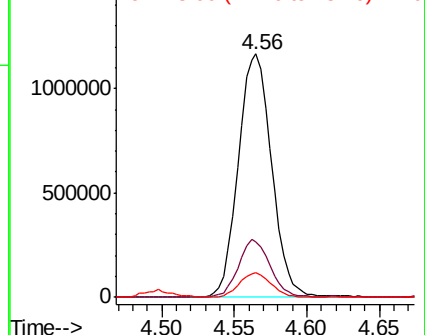
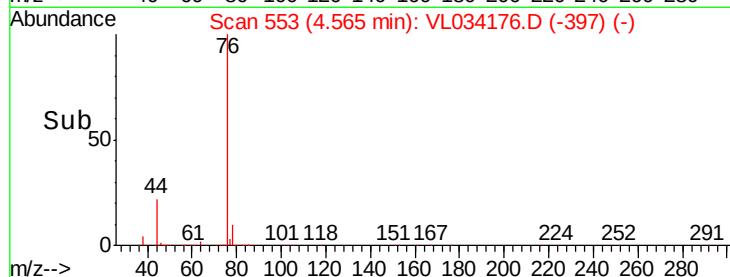
76 100

44 22.7 17.6 26.4

78 9.6 7.6 11.4



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: 12.638 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.00 min

Lab File: VL034176.D

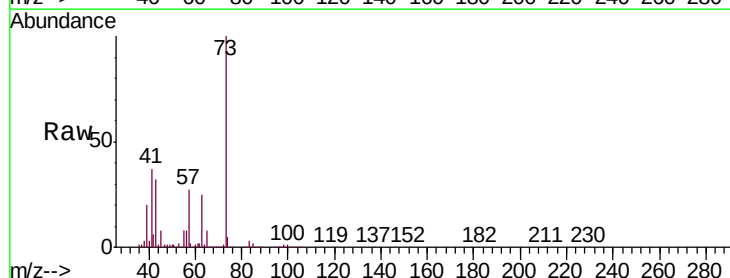
Acq: 17 Sep 2019 8:07

Tgt Ion: 73 Resp: 2611056

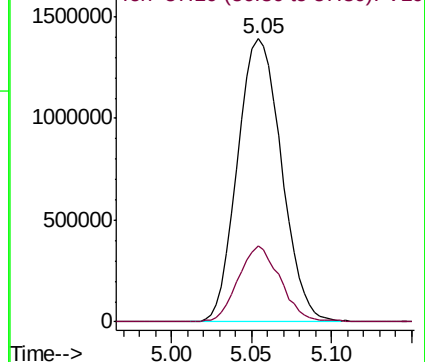
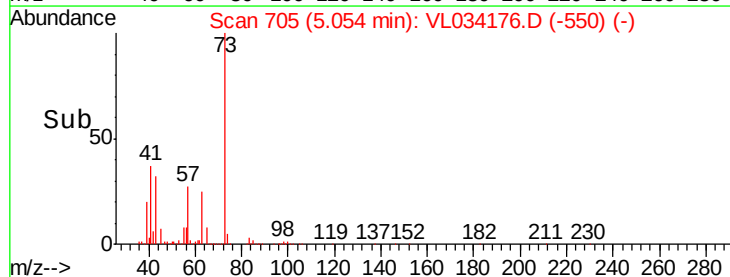
Ion Ratio Lower Upper

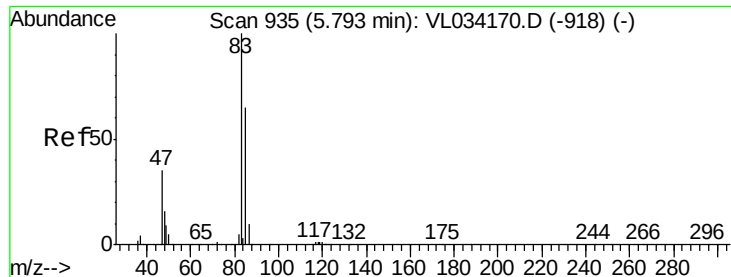
73 100

57 25.7 20.2 30.2



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

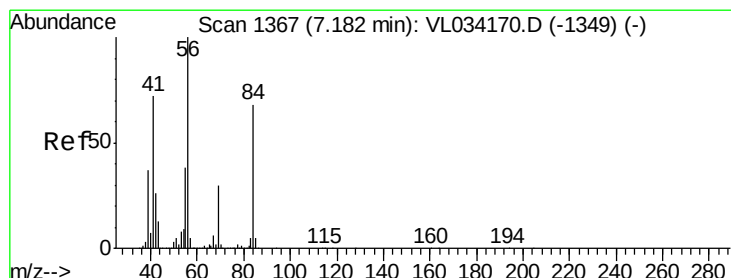
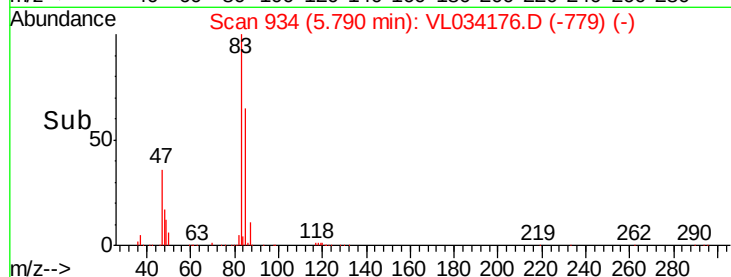
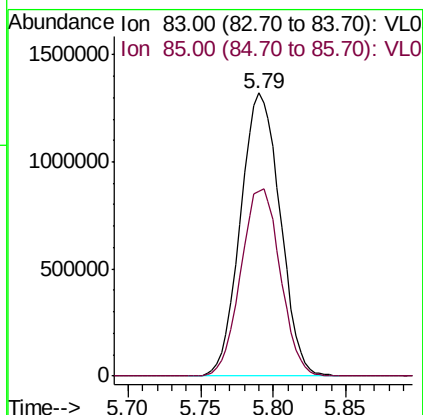
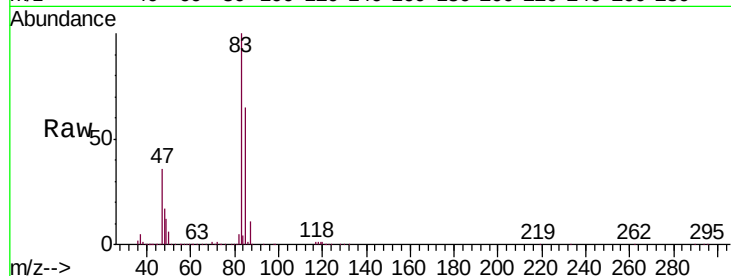




#29
Chloroform
Concen: 13.083 ppbv
RT: 5.79 min Scan# 934
Delta R.T. -0.00 min
Lab File: VL034176.D
Acq: 17 Sep 2019 8:07

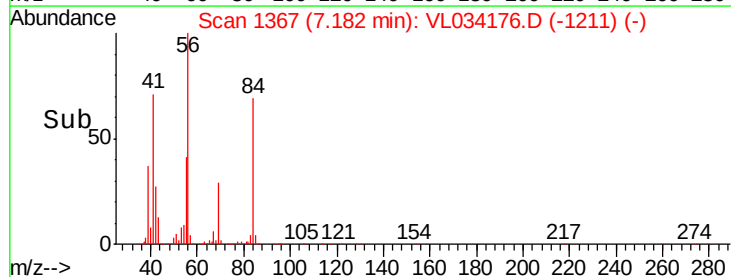
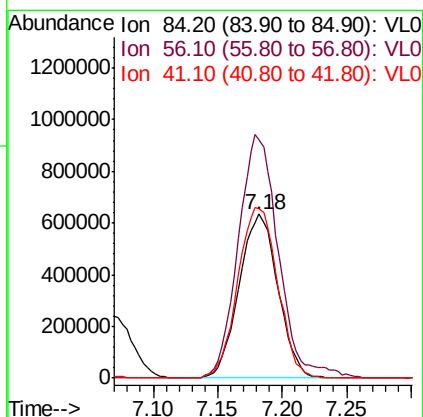
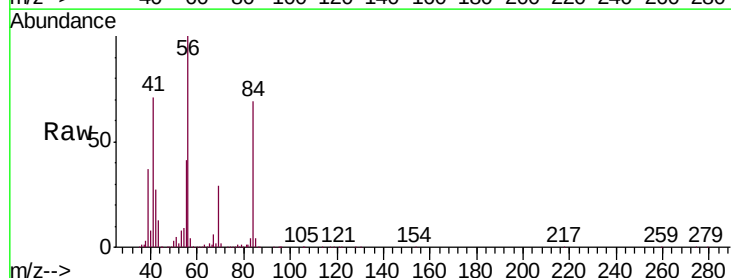
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

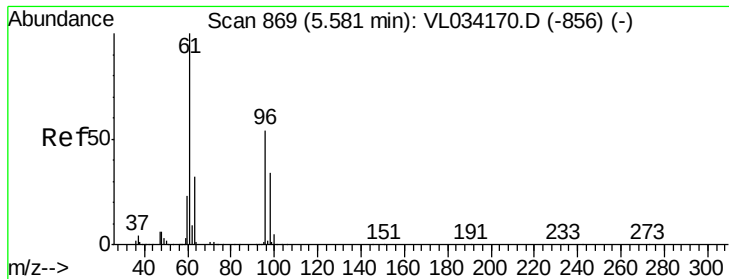
Tgt Ion: 83 Resp: 2515755
Ion Ratio Lower Upper
83 100
85 65.4 52.3 78.5



#30
Cyclohexane
Concen: 13.071 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VL034176.D
Acq: 17 Sep 2019 8:07

Tgt Ion: 84 Resp: 1331839
Ion Ratio Lower Upper
84 100
56 154.0 126.2 189.2
41 106.5 85.8 128.8



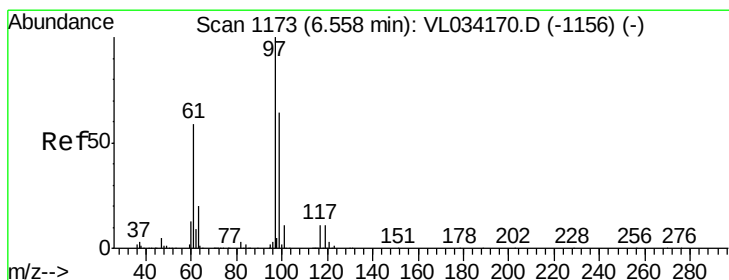
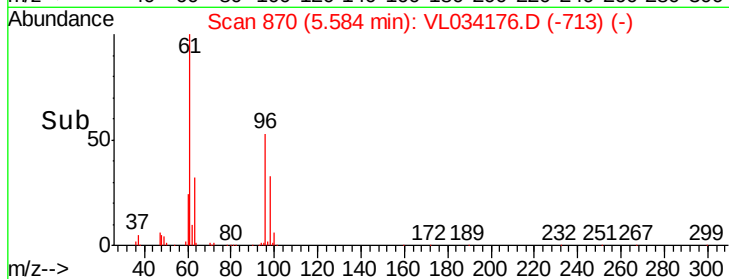
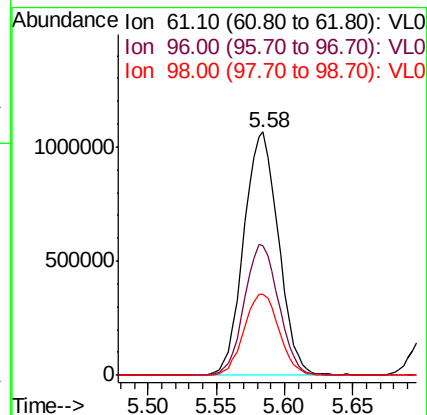
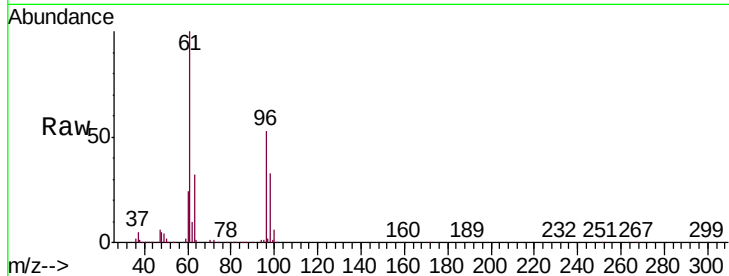


#31

cis-1,2-Dichloroethene
 Concen: 13.800 ppbv
 RT: 5.58 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VL034176.D
 Acq: 17 Sep 2019 8:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

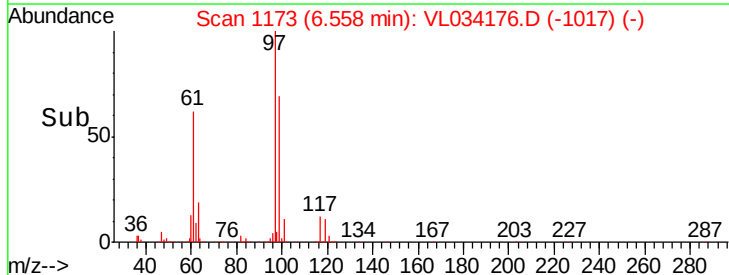
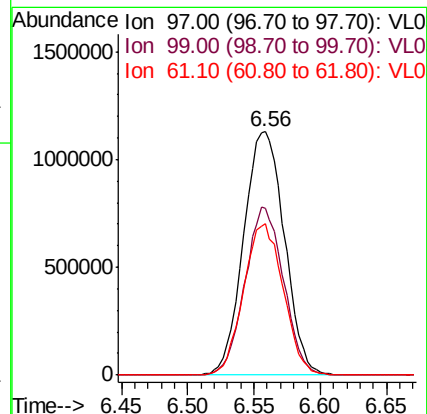
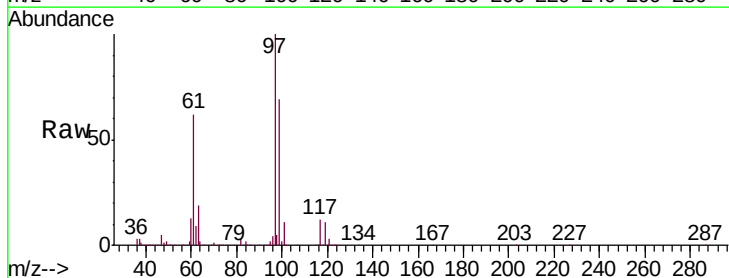
Tgt Ion: 61 Resp: 1885515
 Ion Ratio Lower Upper
 61 100
 96 53.0 43.0 64.4
 98 33.3 27.2 40.8

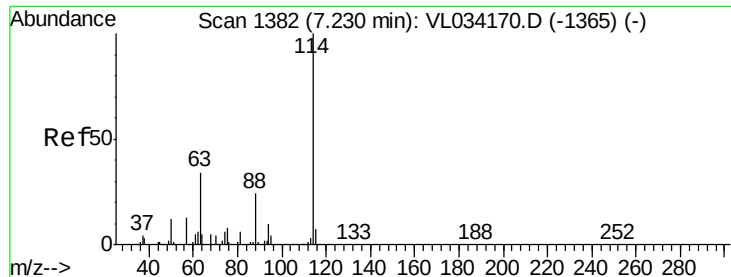


#32

1,1,1-Trichloroethane
 Concen: 13.296 ppbv
 RT: 6.56 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VL034176.D
 Acq: 17 Sep 2019 8:07

Tgt Ion: 97 Resp: 2418471
 Ion Ratio Lower Upper
 97 100
 99 65.3 51.4 77.2
 61 60.6 48.4 72.6

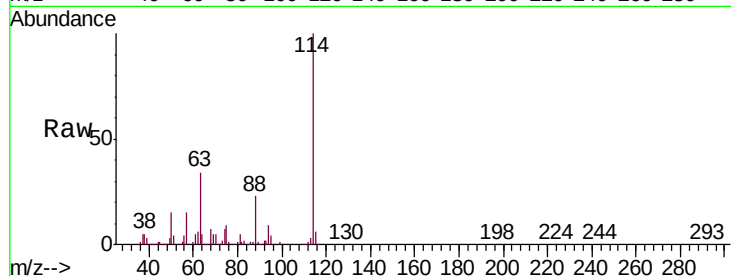




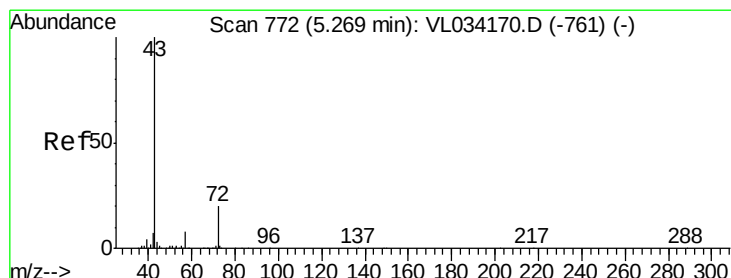
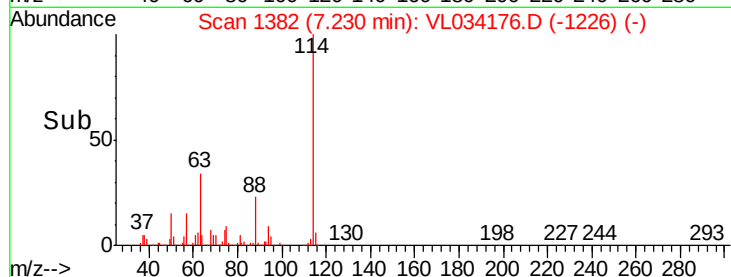
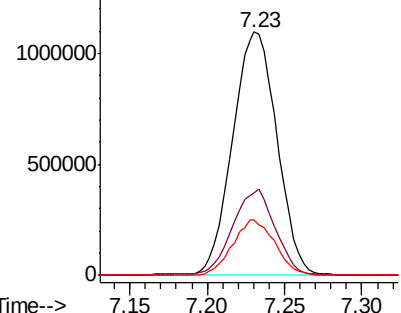
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.23 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VL034176.D
 Acq: 17 Sep 2019 8:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion: 114 Resp: 2189478
 Ion Ratio Lower Upper
 114 100
 63 34.4 27.8 41.6
 88 21.8 17.1 25.7

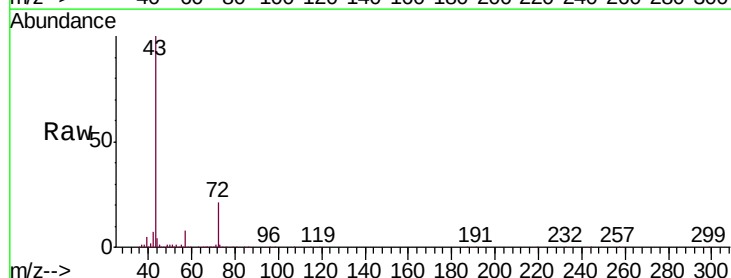


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

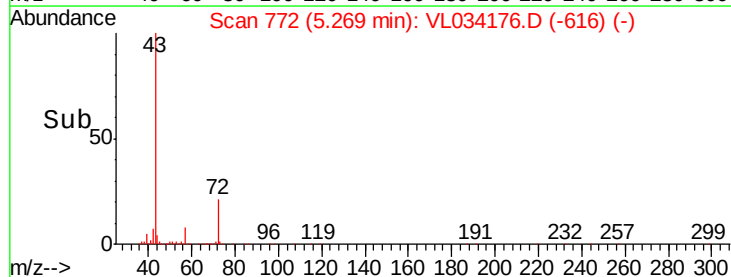
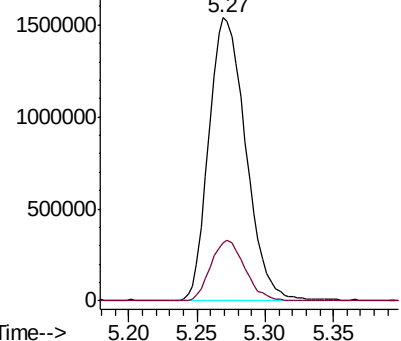


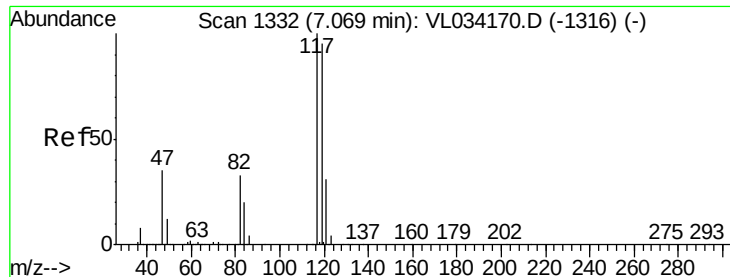
#34
 2-Butanone
 Concen: 13.449 ppbv
 RT: 5.27 min Scan# 772
 Delta R.T. 0.00 min
 Lab File: VL034176.D
 Acq: 17 Sep 2019 8:07

Tgt Ion: 43 Resp: 2878471
 Ion Ratio Lower Upper
 43 100
 72 20.1 15.0 22.6



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





#35

Carbon Tetrachloride

Concen: 13.898 ppbv

RT: 7.07 min Scan# 1332

Delta R.T. 0.00 min

Lab File: VL034176.D

Acq: 17 Sep 2019 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

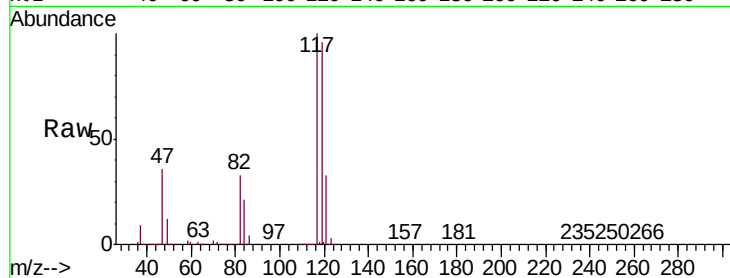
Tgt Ion:117 Resp: 2404274

Ion Ratio Lower Upper

117 100

119 96.0 75.8 113.6

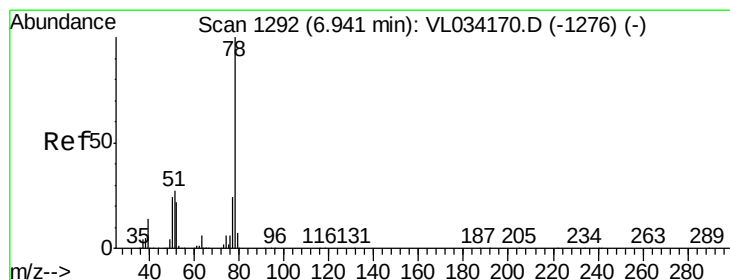
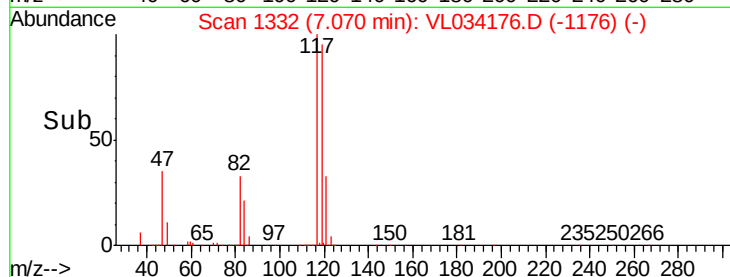
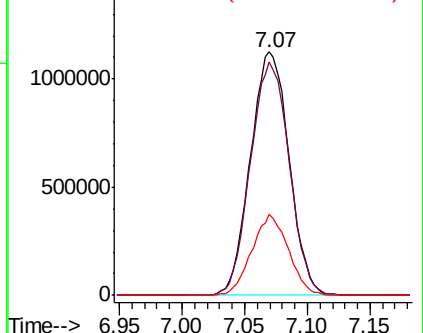
121 33.1 25.0 37.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 12.463 ppbv

RT: 6.94 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VL034176.D

Acq: 17 Sep 2019 8:07

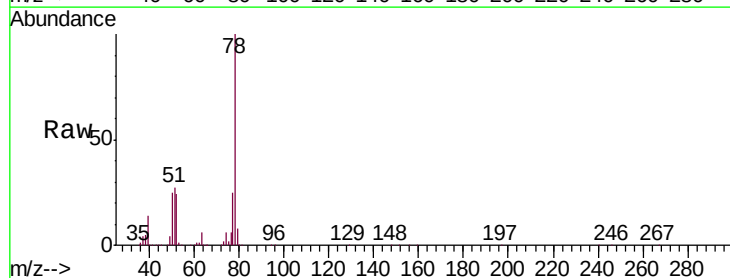
Tgt Ion: 78 Resp: 3115675

Ion Ratio Lower Upper

78 100

77 25.0 19.0 28.4

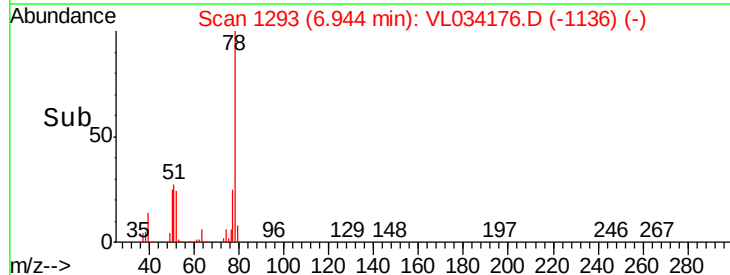
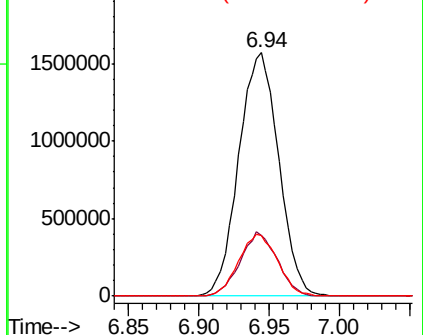
50 24.8 18.9 28.3

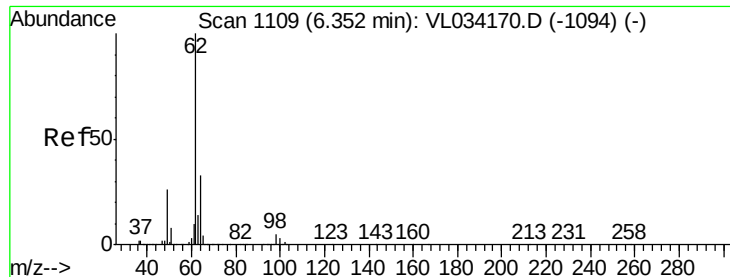


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 14.496 ppbv

RT: 6.35 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VL034176.D

Acq: 17 Sep 2019 8:07

Instrument :

MSVOA_L

ClientSampleId :

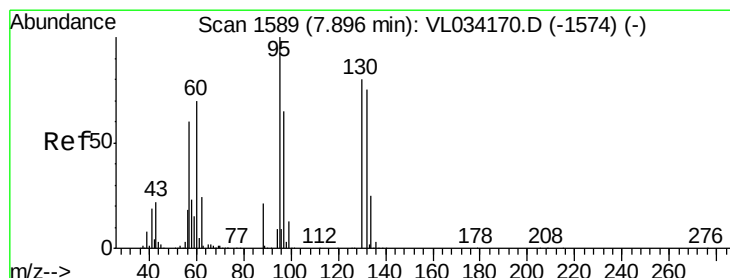
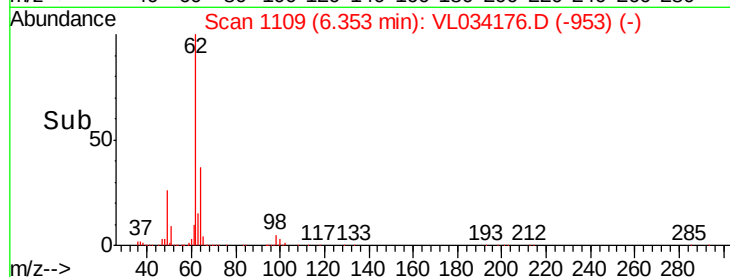
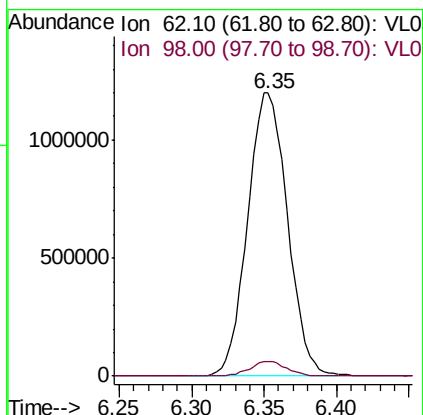
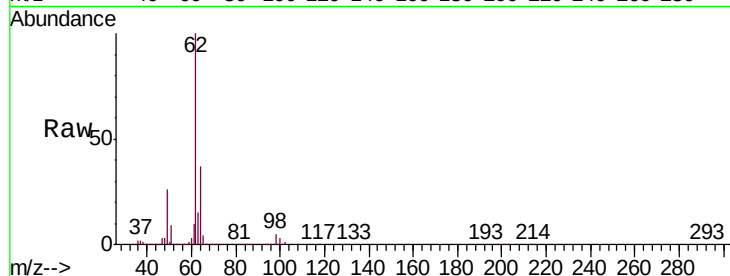
VSTDIC015

Tgt Ion: 62 Resp: 2296350

Ion Ratio Lower Upper

62 100

98 4.8 3.8 5.8



#38

Trichloroethene

Concen: 11.319 ppbv

RT: 7.90 min Scan# 1590

Delta R.T. 0.00 min

Lab File: VL034176.D

Acq: 17 Sep 2019 8:07

Tgt Ion: 130 Resp: 1060787

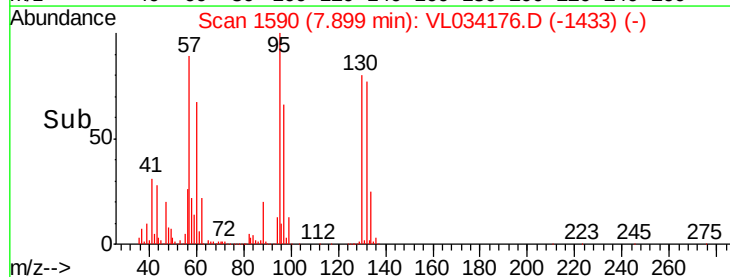
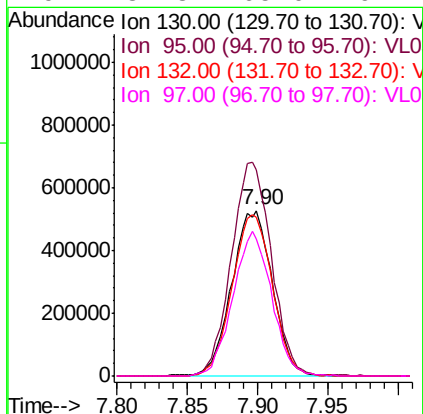
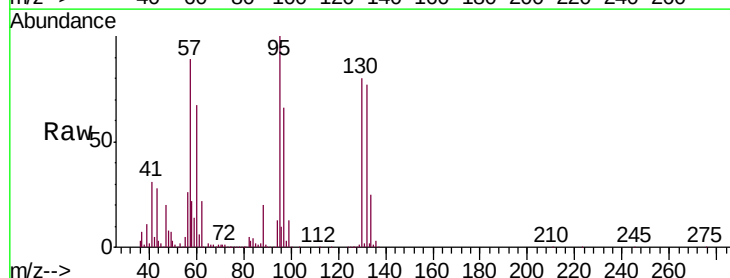
Ion Ratio Lower Upper

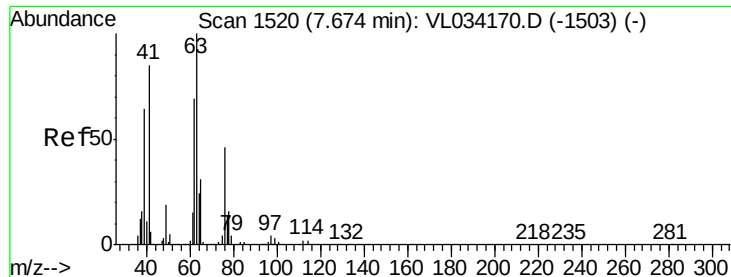
130 100

95 124.5 99.8 149.6

132 96.2 75.2 112.8

97 82.8 65.0 97.4





#39

1,2-Dichloropropane

Concen: 13.340 ppbv

RT: 7.67 min Scan# 1519

Delta R.T. -0.00 min

Lab File: VL034176.D

Acq: 17 Sep 2019 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

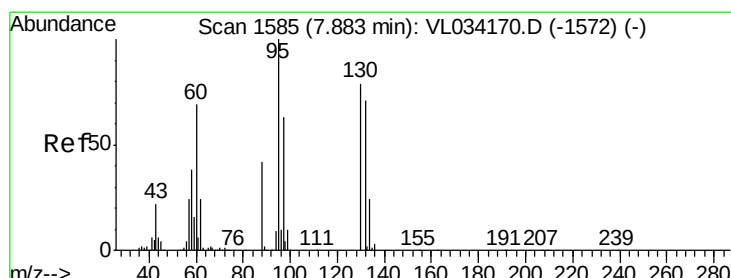
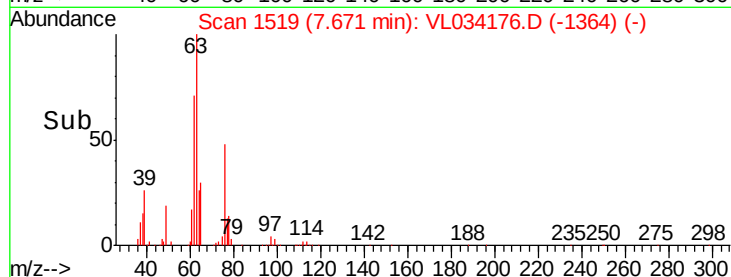
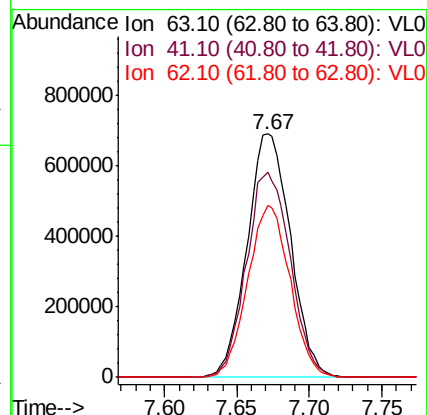
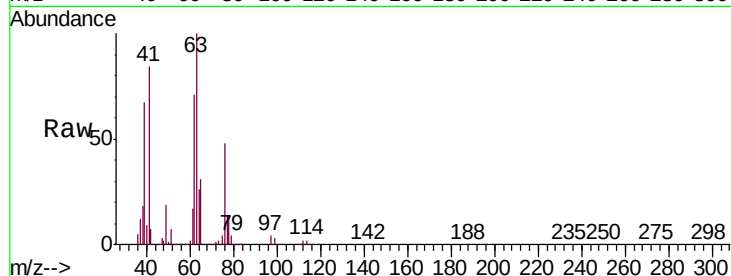
Tgt Ion: 63 Resp: 1441163

Ion Ratio Lower Upper

63 100

41 84.0 68.4 102.6

62 70.8 55.4 83.2



#40

1,4-Dioxane

Concen: 11.525 ppbv

RT: 7.88 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VL034176.D

Acq: 17 Sep 2019 8:07

Tgt Ion: 88 Resp: 451106

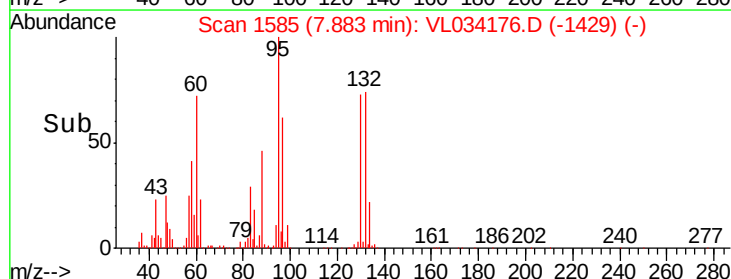
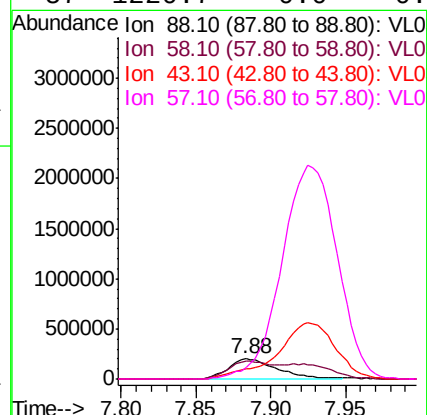
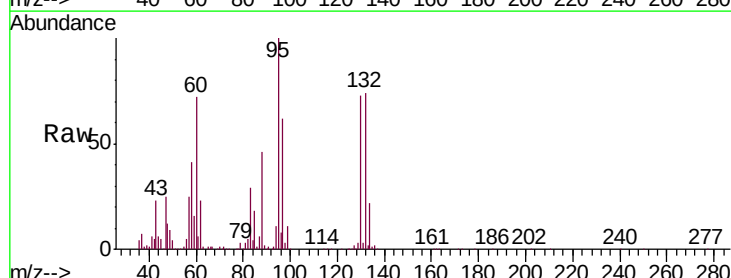
Ion Ratio Lower Upper

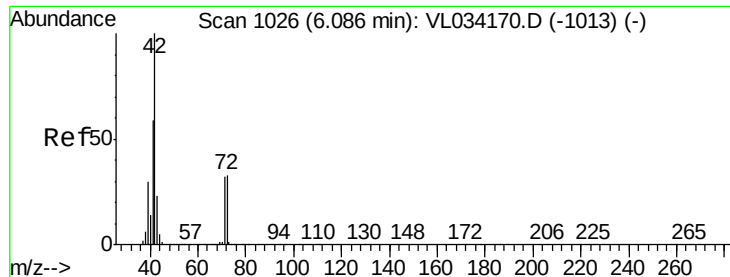
88 100

58 157.0 131.8 197.6

43 334.7 0.0 0.0#

57 1220.7 0.0 0.0#





#41

Tetrahydrofuran

Concen: 13.807 ppbv

RT: 6.08 min Scan# 1025

Delta R.T. -0.00 min

Lab File: VL034176.D

Acq: 17 Sep 2019 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

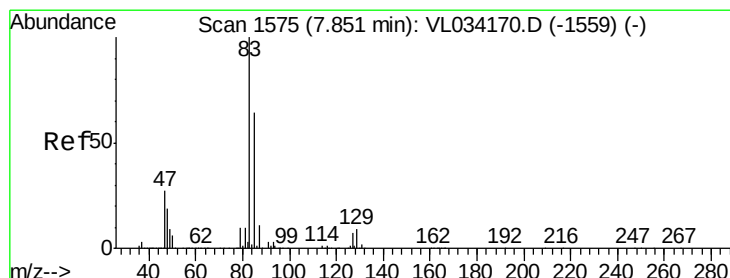
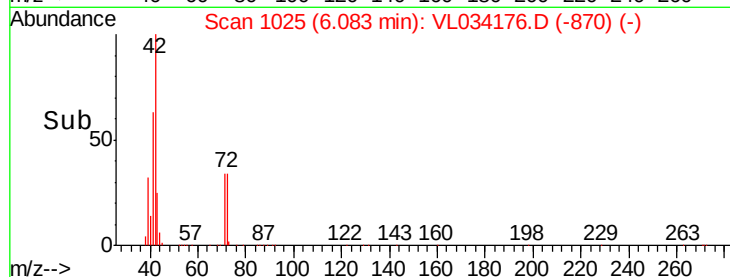
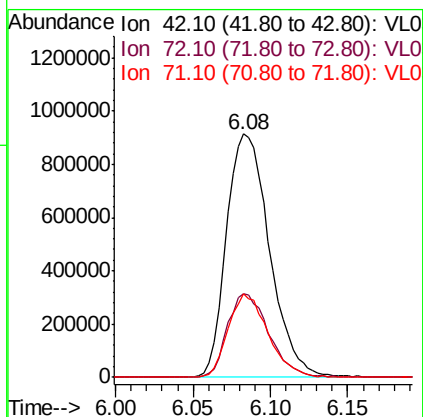
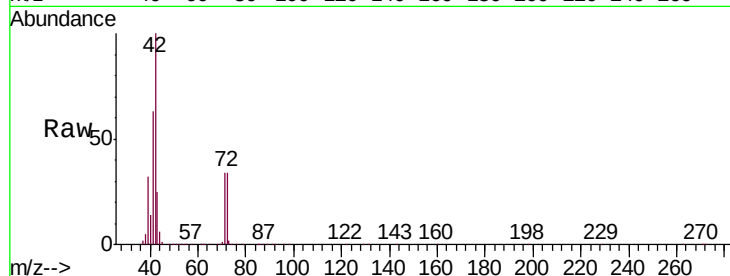
Tgt Ion: 42 Resp: 1759927

Ion Ratio Lower Upper

42 100

72 33.3 26.6 40.0

71 32.0 25.1 37.7



#42

Bromodichloromethane

Concen: 13.717 ppbv

RT: 7.85 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VL034176.D

Acq: 17 Sep 2019 8:07

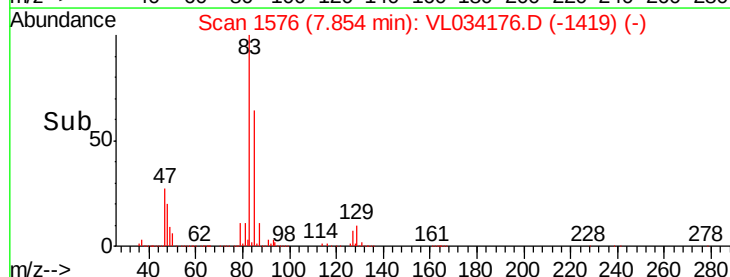
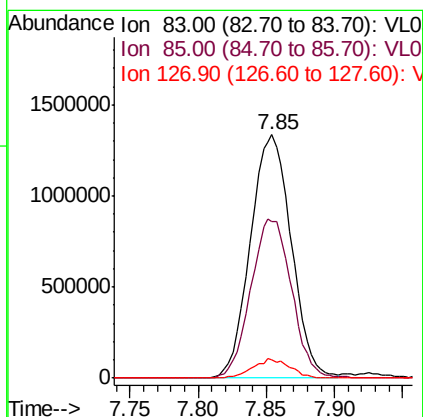
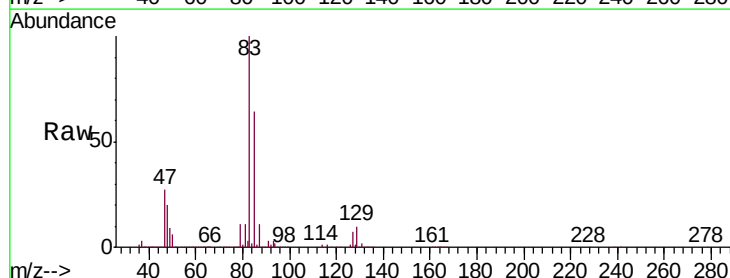
Tgt Ion: 83 Resp: 2781114

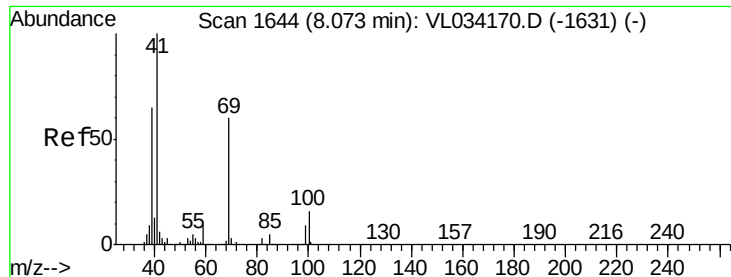
Ion Ratio Lower Upper

83 100

85 64.3 51.4 77.0

127 7.4 5.5 8.3

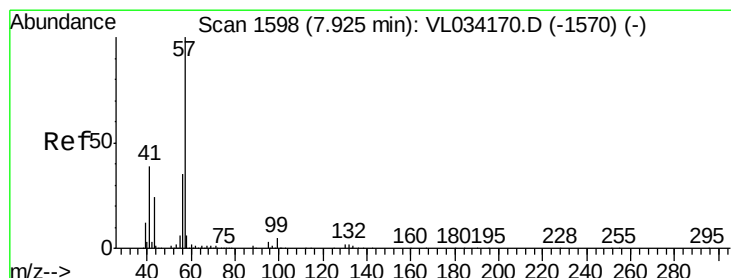
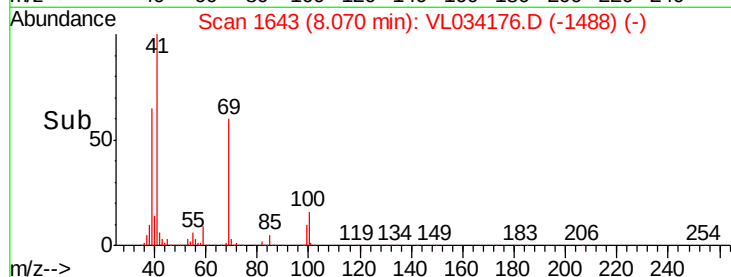
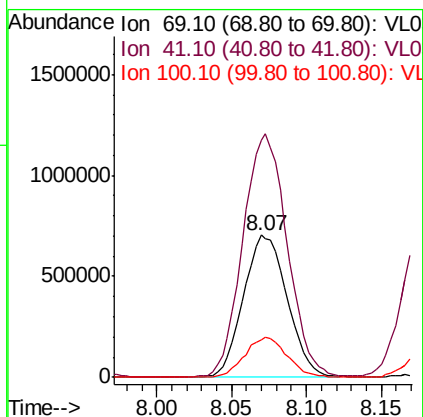
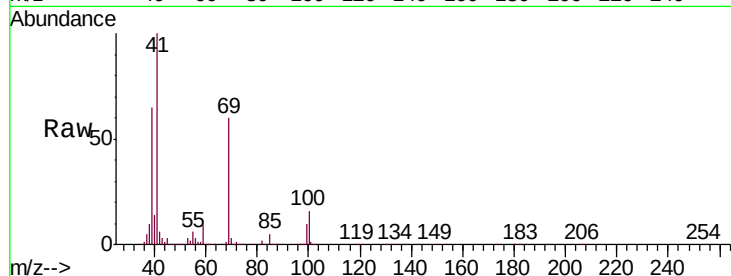




#43
Methyl Methacrylate
Concen: 13.925 ppbv
RT: 8.07 min Scan# 1643
Delta R.T. -0.00 min
Lab File: VL034176.D
Acq: 17 Sep 2019 8:07

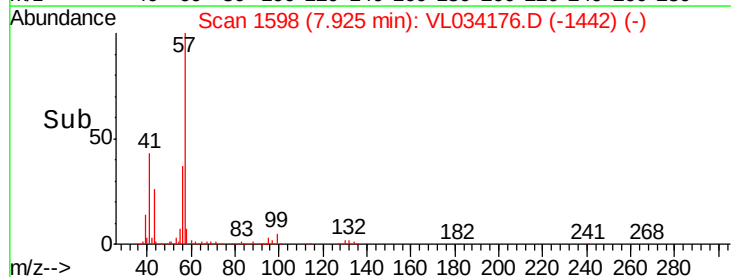
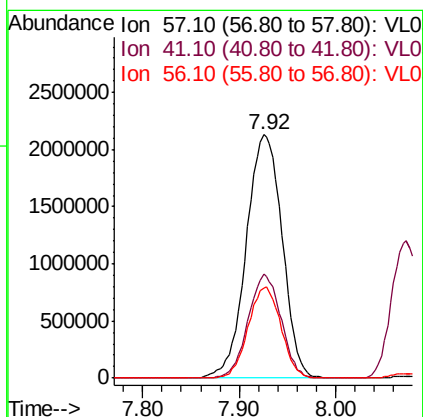
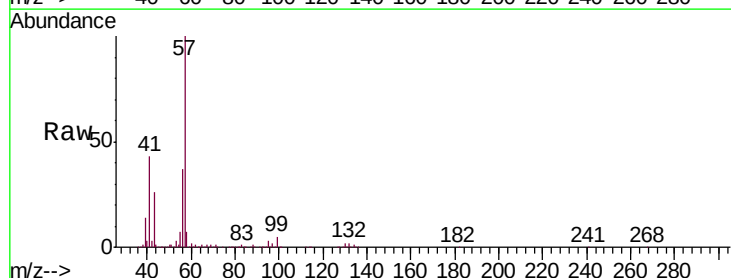
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

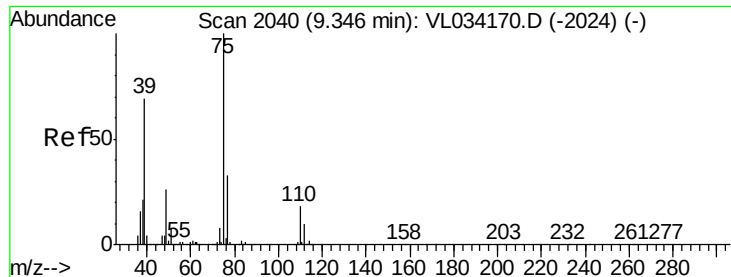
Tgt Ion: 69 Resp: 1438109
Ion Ratio Lower Upper
69 100
41 173.2 140.4 210.6
100 27.0 21.9 32.9



#44
2,2,4-Trimethylpentane
Concen: 11.796 ppbv
RT: 7.92 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VL034176.D
Acq: 17 Sep 2019 8:07

Tgt Ion: 57 Resp: 5498084
Ion Ratio Lower Upper
57 100
41 39.0 29.8 44.6
56 34.1 25.9 38.9





#45

t-1,3-Dichloropropene

Concen: 15.903 ppbv

RT: 9.35 min Scan# 2041

Delta R.T. 0.00 min

Lab File: VL034176.D

Acq: 17 Sep 2019 8:07

Instrument :

MSVOA_L

ClientSampleId :

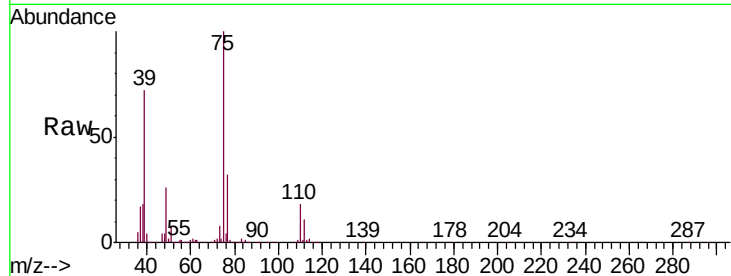
VSTDIC015

Tgt Ion: 75 Resp: 1941013

Ion Ratio Lower Upper

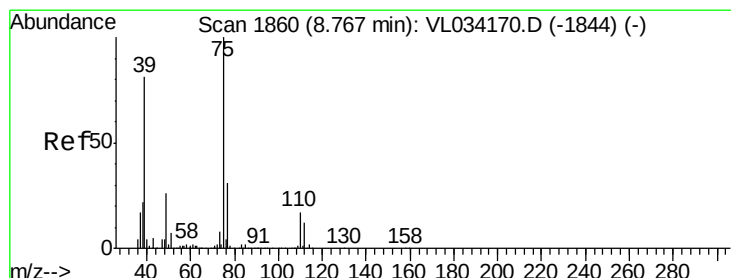
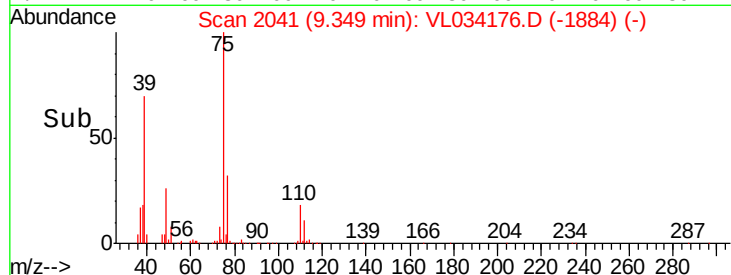
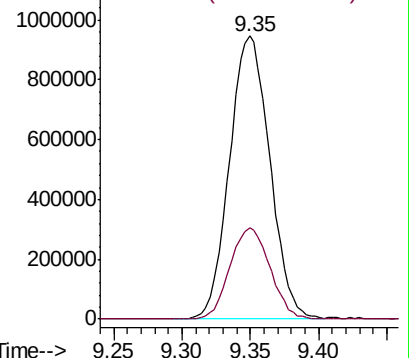
75 100

77 32.5 26.2 39.2



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 14.317 ppbv

RT: 8.77 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VL034176.D

Acq: 17 Sep 2019 8:07

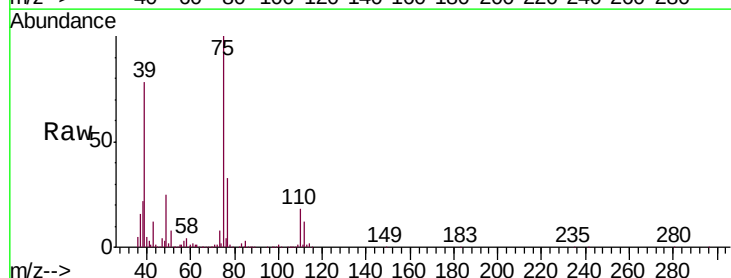
Tgt Ion: 75 Resp: 2123942

Ion Ratio Lower Upper

75 100

39 78.4 65.0 97.4

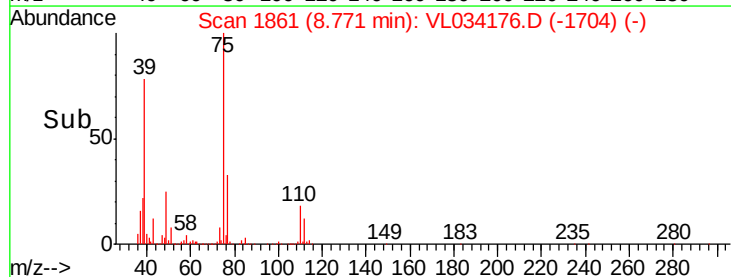
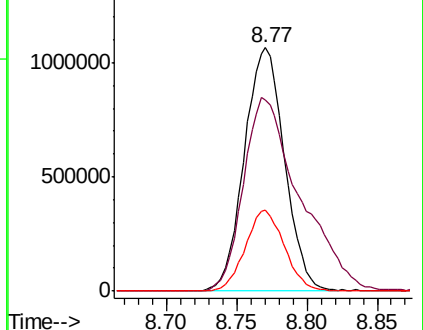
77 33.3 24.5 36.7

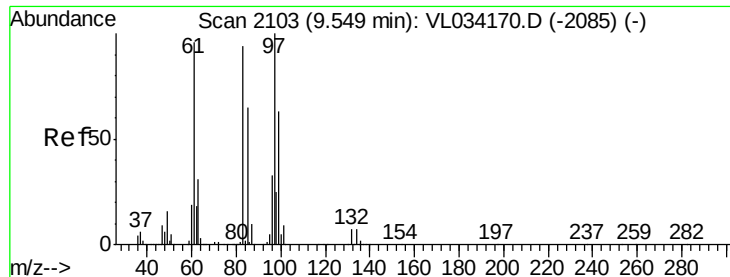


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

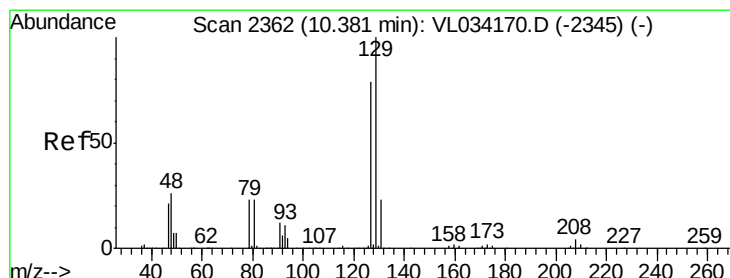
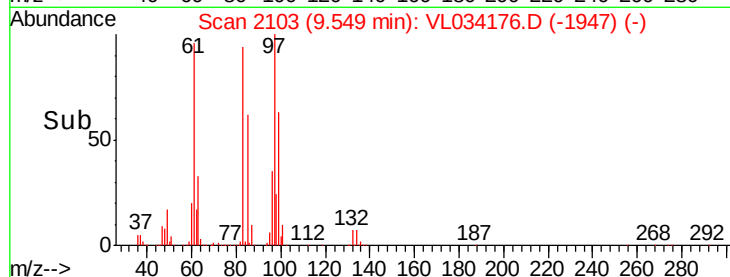
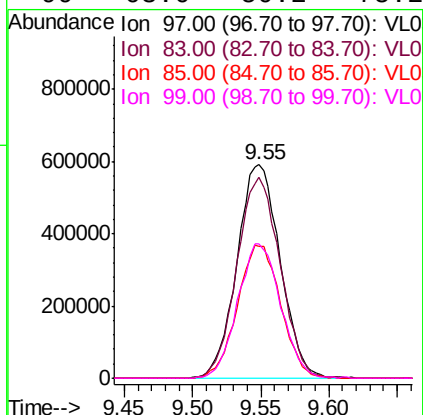
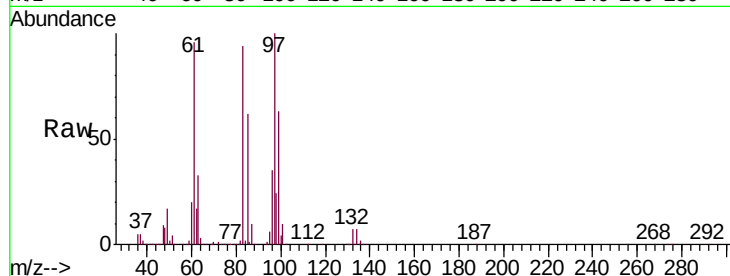




#47
 1,1,2-Trichloroethane
 Concen: 13.292 ppbv
 RT: 9.55 min Scan# 2103
 Delta R.T. 0.00 min
 Lab File: VL034176.D
 Acq: 17 Sep 2019 8:07

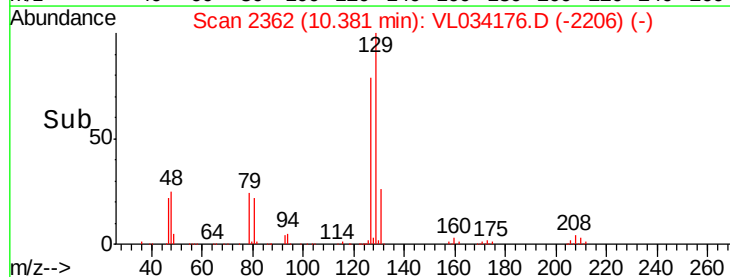
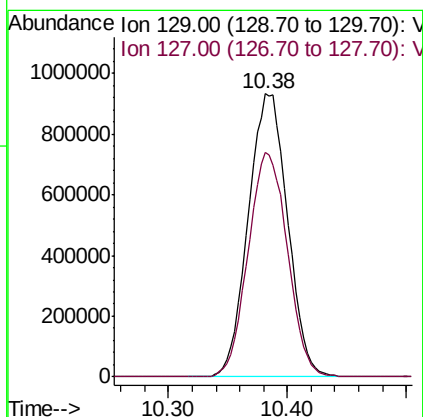
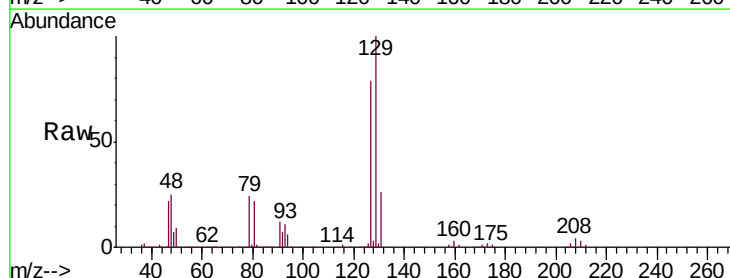
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

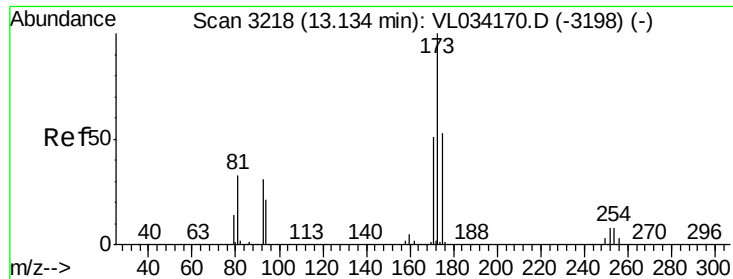
Tgt Ion: 97 Resp: 1300405
 Ion Ratio Lower Upper
 97 100
 83 93.7 75.3 112.9
 85 61.7 52.1 78.1
 99 63.0 50.2 75.2



#48
 Dibromochloromethane
 Concen: 14.434 ppbv
 RT: 10.38 min Scan# 2362
 Delta R.T. 0.00 min
 Lab File: VL034176.D
 Acq: 17 Sep 2019 8:07

Tgt Ion: 129 Resp: 2135898
 Ion Ratio Lower Upper
 129 100
 127 79.3 39.2 117.6





#49

Bromoform

Concen: 14.302 ppbv

RT: 13.13 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VL034176.D

Acq: 17 Sep 2019 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

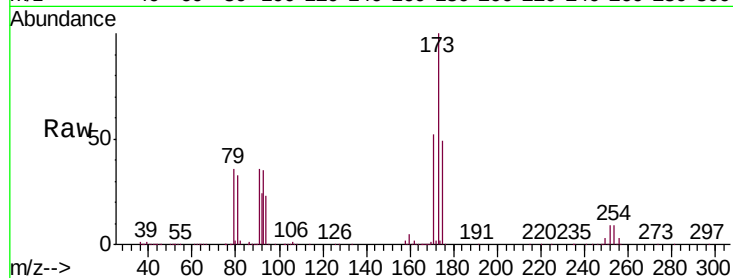
Tgt Ion:173 Resp: 1837143

Ion Ratio Lower Upper

173 100

175 49.7 40.3 60.5

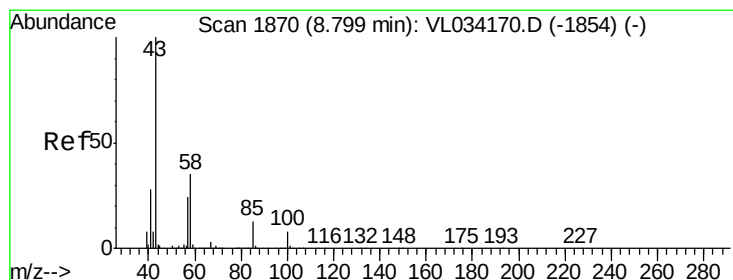
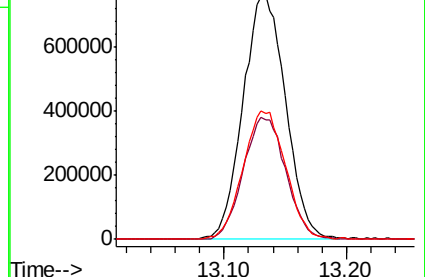
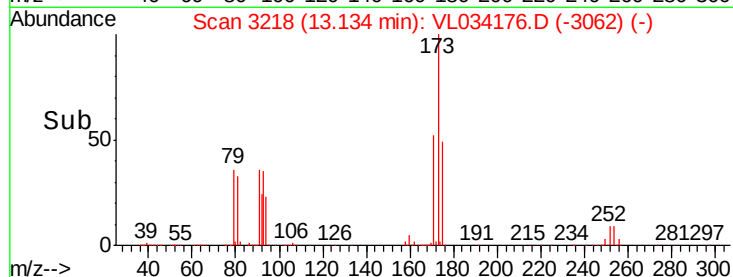
171 52.6 42.0 63.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 12.611 ppbv

RT: 8.80 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VL034176.D

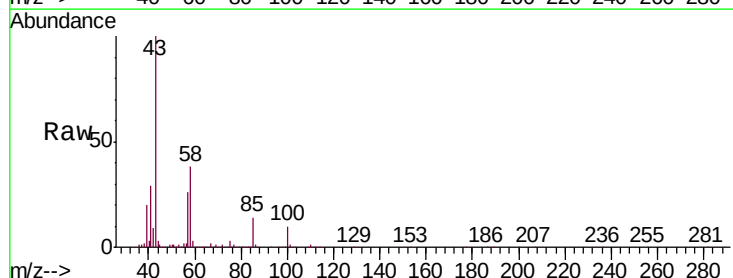
Acq: 17 Sep 2019 8:07

Tgt Ion: 43 Resp: 4109205

Ion Ratio Lower Upper

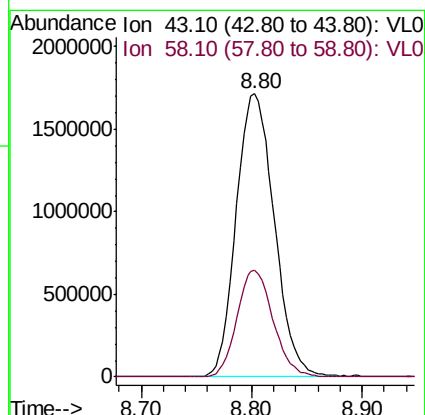
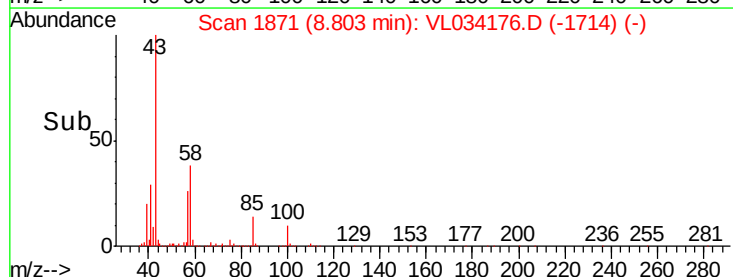
43 100

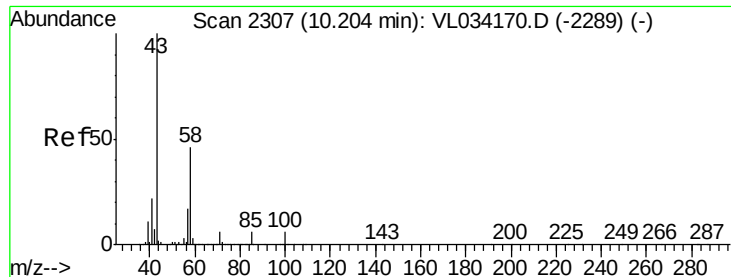
58 35.7 27.6 41.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

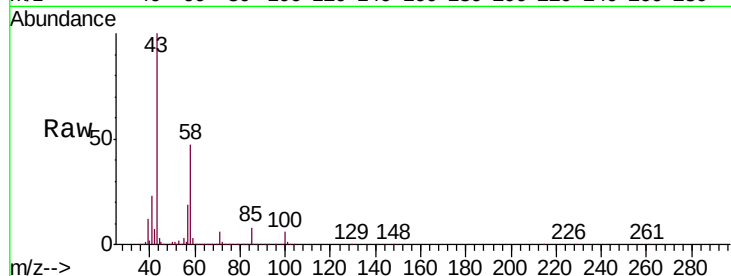




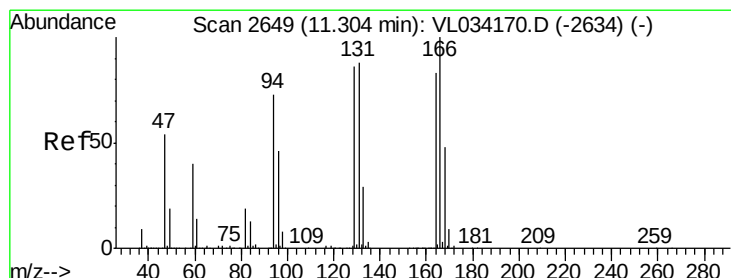
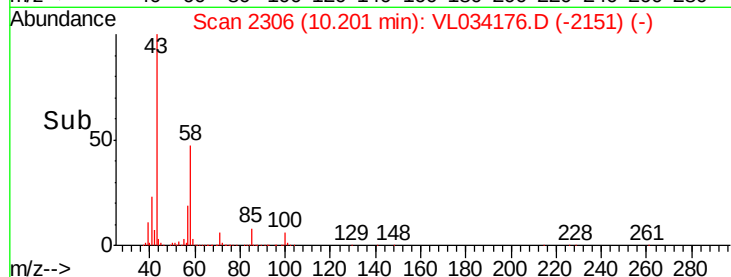
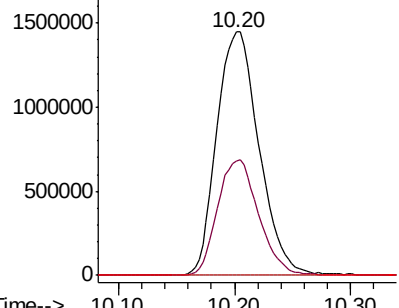
#51
2-Hexanone
Concen: 13.008 ppbv
RT: 10.20 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VL034176.D
Acq: 17 Sep 2019 8:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 43 Resp: 3655126
Ion Ratio Lower Upper
43 100
58 46.5 36.2 54.4
98 0.1 0.2 0.2#

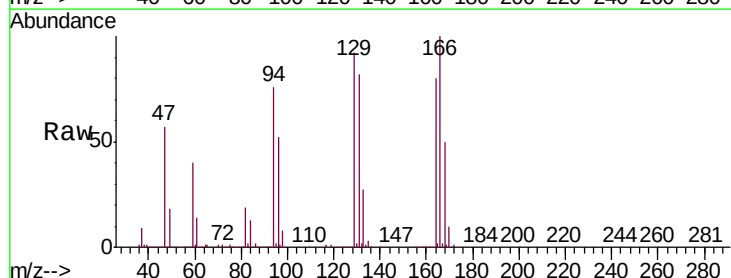


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

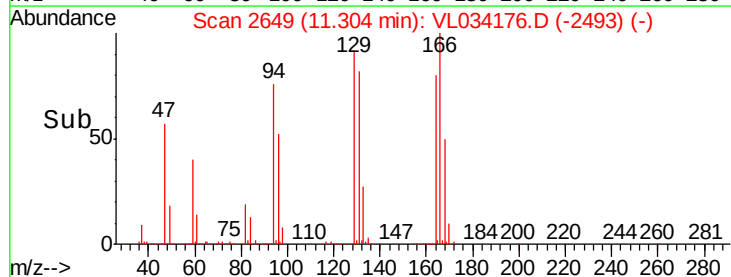
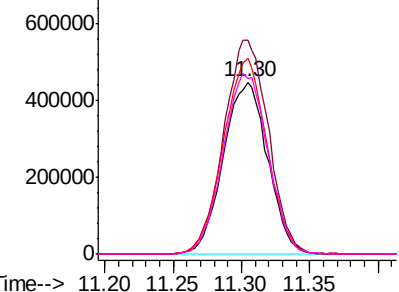


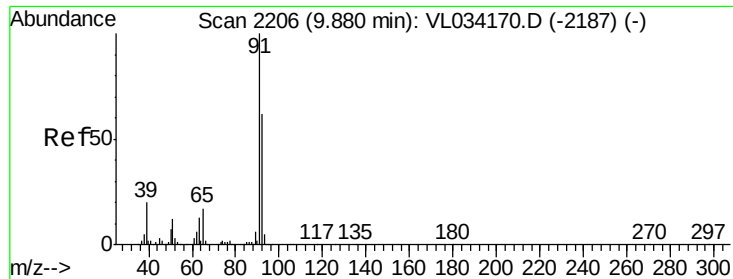
#52
Tetrachloroethene
Concen: 11.385 ppbv
RT: 11.30 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VL034176.D
Acq: 17 Sep 2019 8:07

Tgt Ion: 164 Resp: 1003016
Ion Ratio Lower Upper
164 100
166 124.3 96.7 145.1
129 113.9 82.8 124.2
131 102.0 85.0 127.6



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 12.557 ppbv

RT: 9.88 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VL034176.D

Acq: 17 Sep 2019 8:07

Instrument :

MSVOA_L

ClientSampleId :

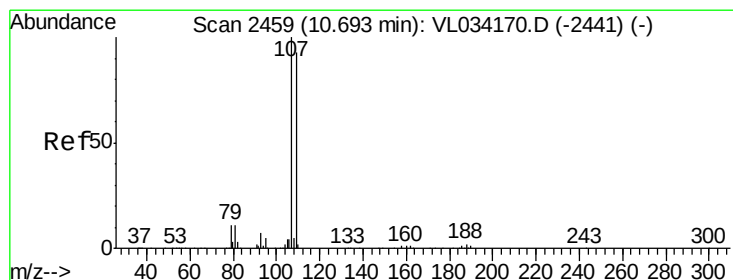
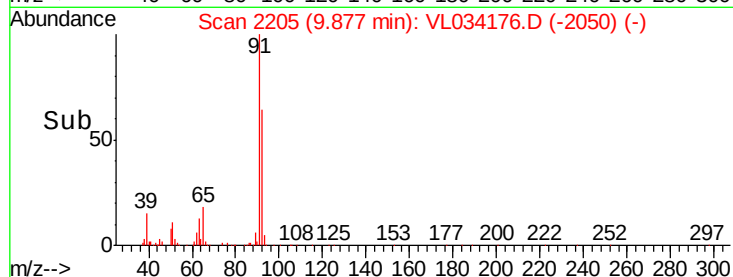
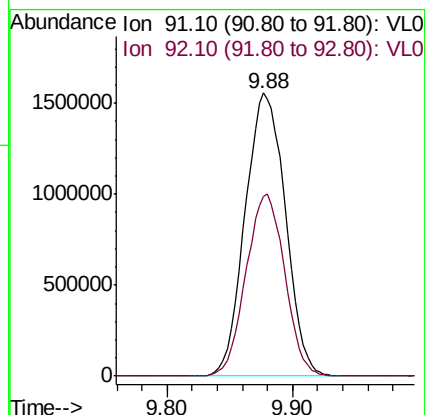
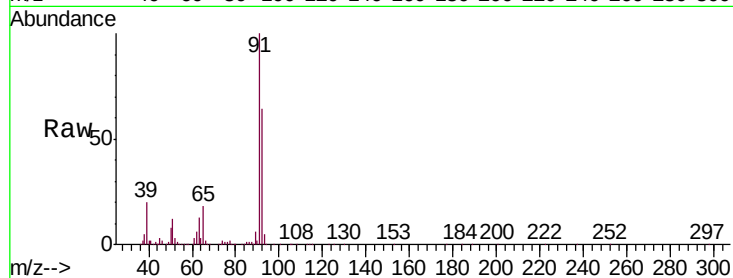
VSTDIC015

Tgt Ion: 91 Resp: 3476383

Ion Ratio Lower Upper

91 100

92 62.0 49.0 73.6



#54

1,2-Dibromoethane

Concen: 13.238 ppbv

RT: 10.69 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VL034176.D

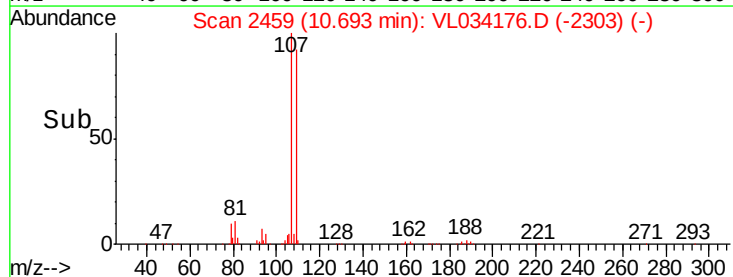
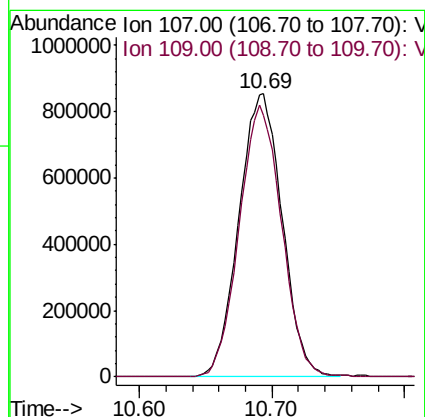
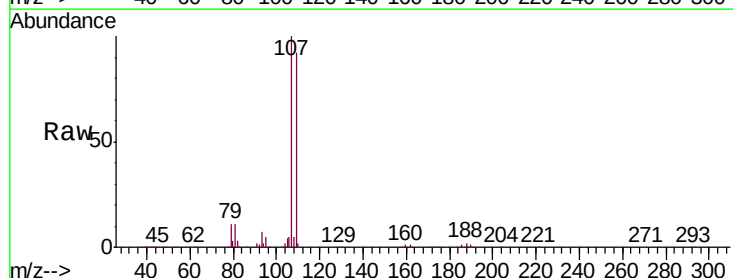
Acq: 17 Sep 2019 8:07

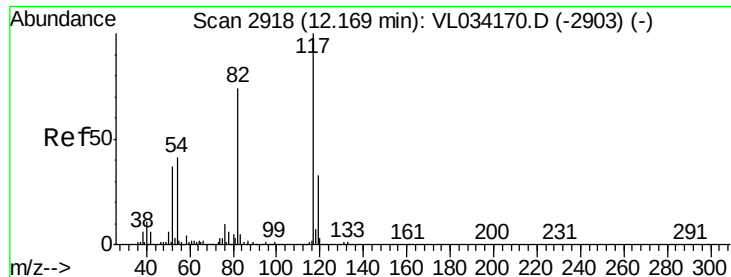
Tgt Ion: 107 Resp: 1936688

Ion Ratio Lower Upper

107 100

109 92.2 74.5 111.7

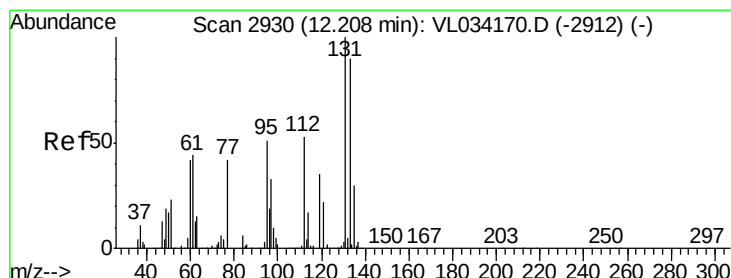
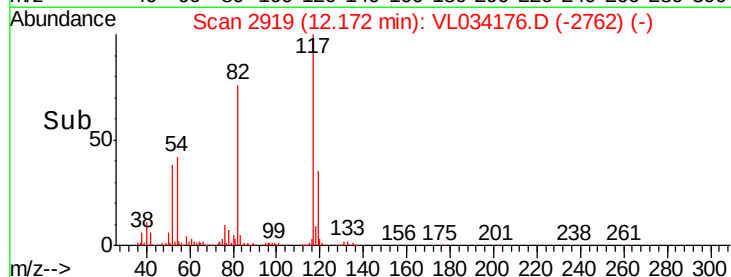
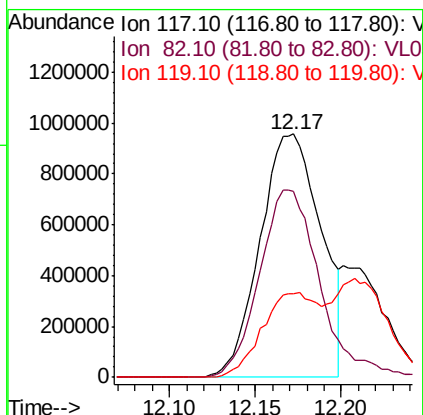
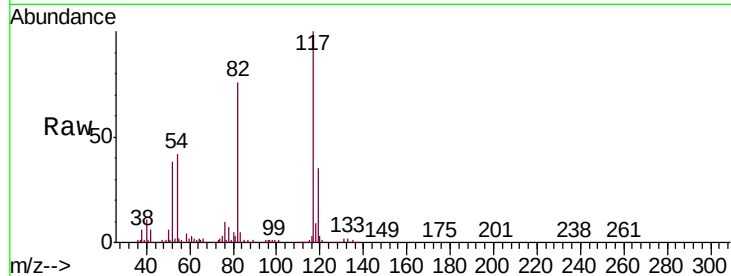




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. 0.00 min
Lab File: VL034176.D
Acq: 17 Sep 2019 8:07

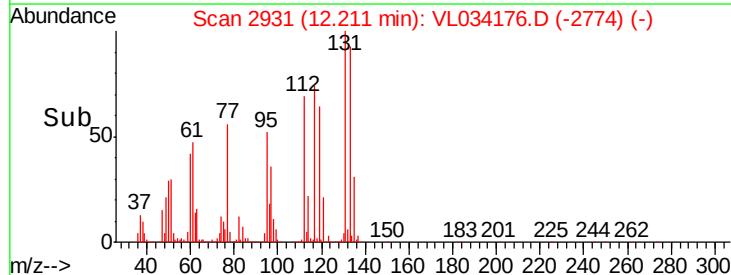
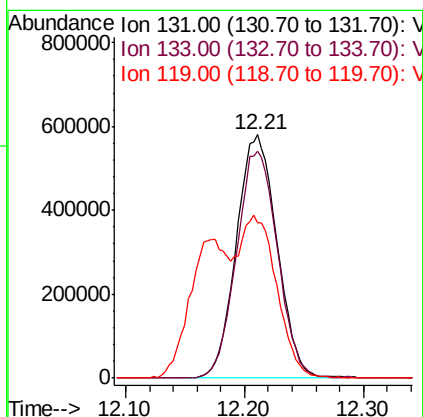
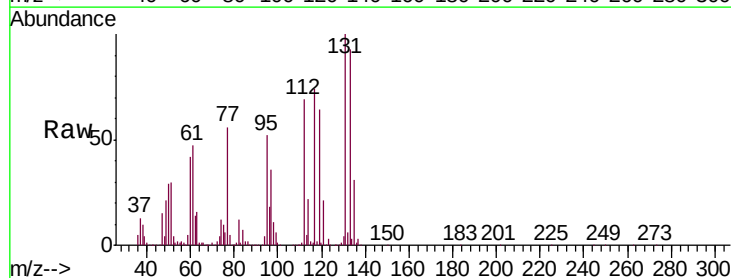
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

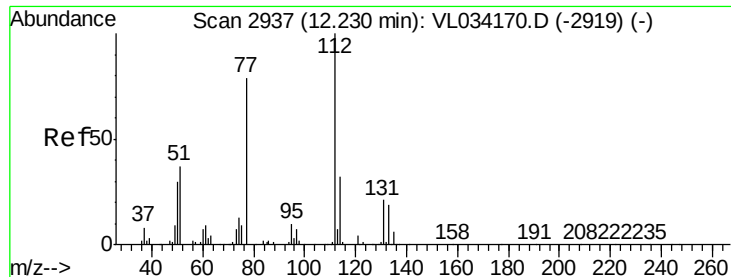
Tgt Ion:117 Resp: 2352179
Ion Ratio Lower Upper
117 100
82 76.8 58.2 87.4
119 34.0 23.7 35.5



#56
1,1,1,2-Tetrachloroethane
Concen: 13.385 ppbv
RT: 12.21 min Scan# 2931
Delta R.T. 0.00 min
Lab File: VL034176.D
Acq: 17 Sep 2019 8:07

Tgt Ion:131 Resp: 1365380
Ion Ratio Lower Upper
131 100
133 95.1 75.1 112.7
119 60.0 47.4 71.0





#57

Chlorobenzene

Concen: 12.197 ppbv

RT: 12.23 min Scan# 2938

Delta R.T. 0.00 min

Lab File: VL034176.D

Acq: 17 Sep 2019 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

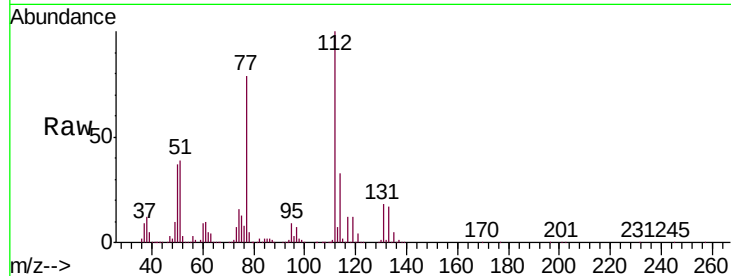
Tgt Ion: 112 Resp: 2476475

Ion Ratio Lower Upper

112 100

77 78.2 64.3 96.5

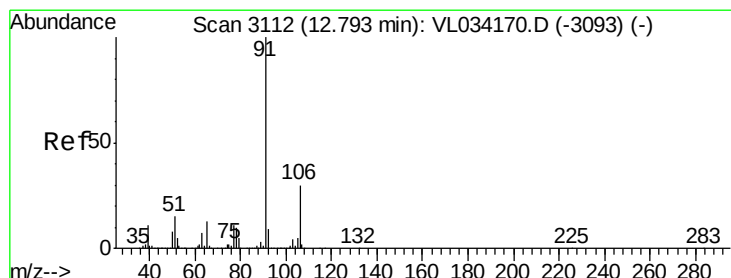
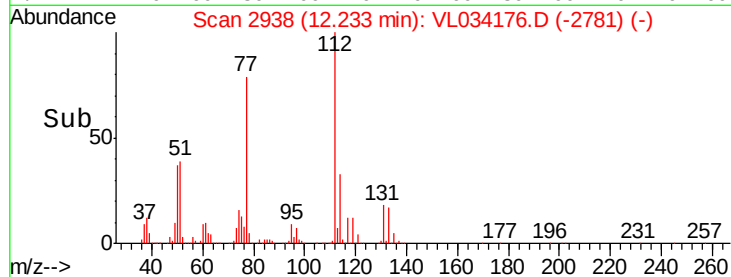
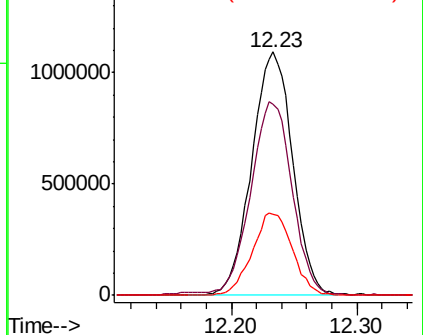
114 32.9 28.9 35.3



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 12.079 ppbv

RT: 12.80 min Scan# 3113

Delta R.T. 0.00 min

Lab File: VL034176.D

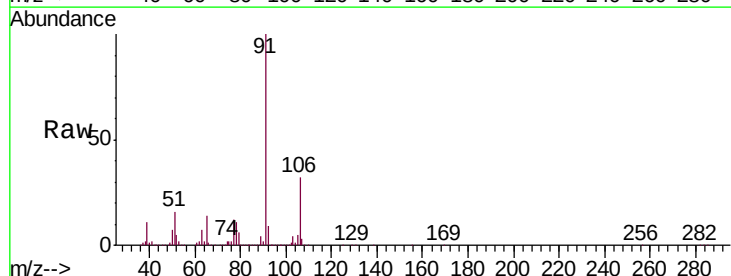
Acq: 17 Sep 2019 8:07

Tgt Ion: 91 Resp: 4667157

Ion Ratio Lower Upper

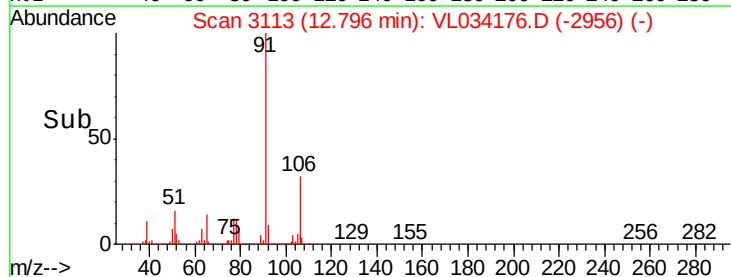
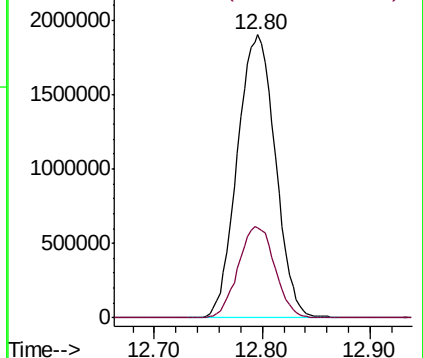
91 100

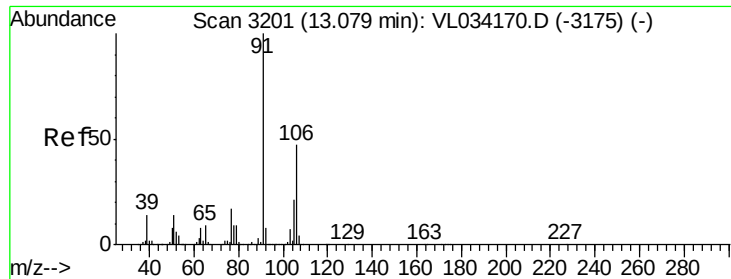
106 31.8 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

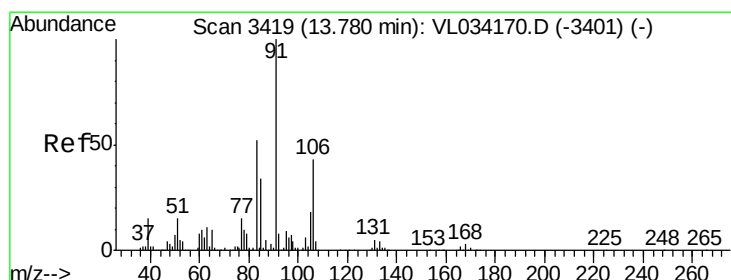
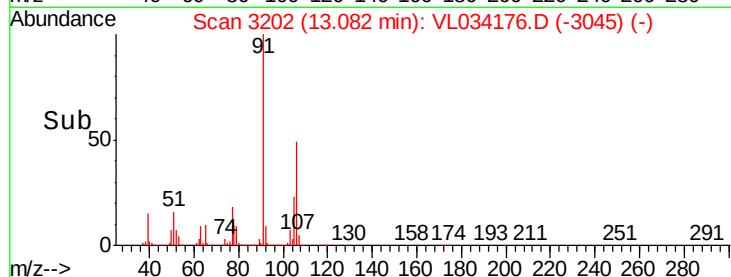
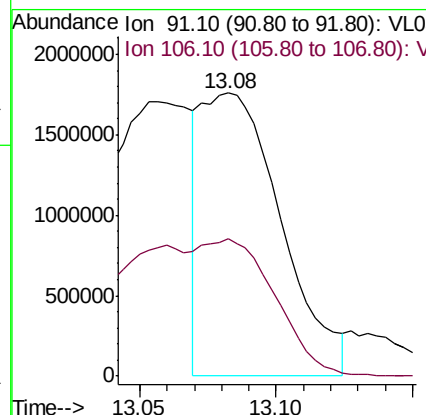
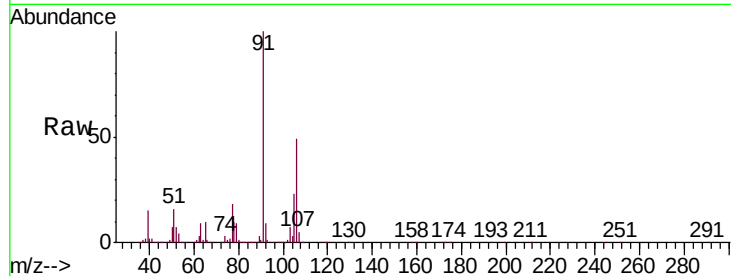




#59
m/p-Xylene
Concen: 11.234 ppbv
RT: 13.08 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VL034176.D
Acq: 17 Sep 2019 8:07

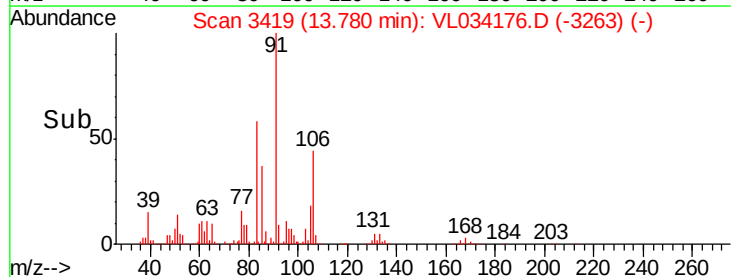
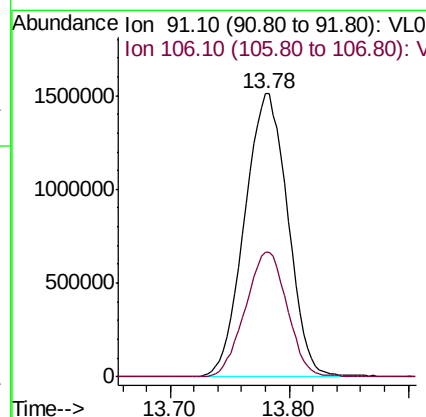
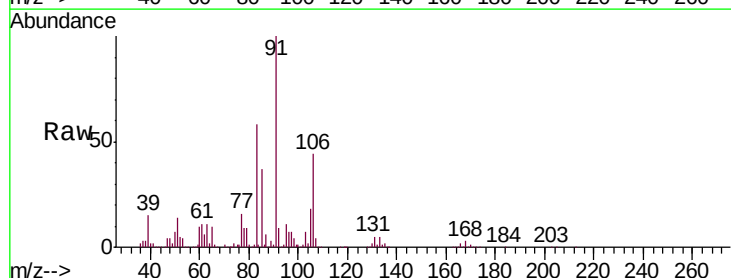
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

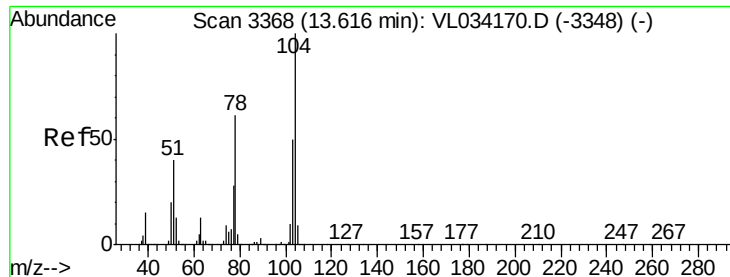
Tgt Ion: 91 Resp: 3541801
Ion Ratio Lower Upper
91 100
106 96.1 35.5 53.3#



#60
o-Xylene
Concen: 12.044 ppbv
RT: 13.78 min Scan# 3419
Delta R.T. 0.00 min
Lab File: VL034176.D
Acq: 17 Sep 2019 8:07

Tgt Ion: 91 Resp: 3787157
Ion Ratio Lower Upper
91 100
106 43.1 21.2 63.6





#61

Styrene

Concen: 12.763 ppbv

RT: 13.62 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VL034176.D

Acq: 17 Sep 2019 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

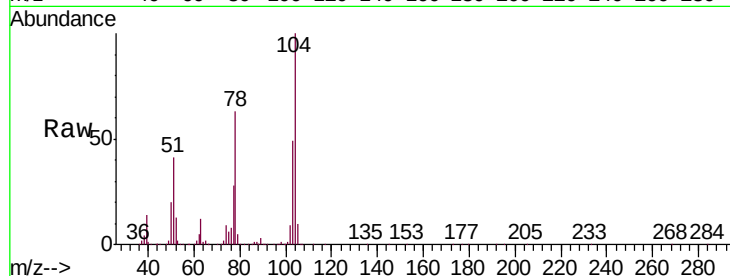
Tgt Ion:104 Resp: 2985052

Ion Ratio Lower Upper

104 100

78 62.4 49.7 74.5

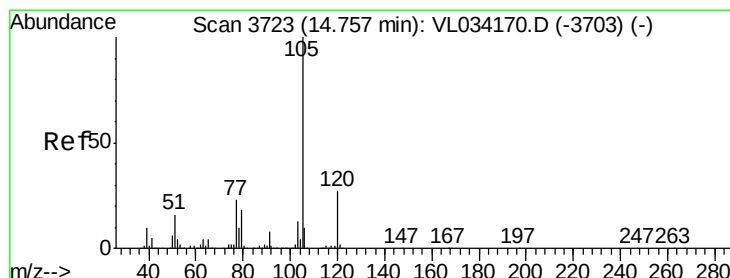
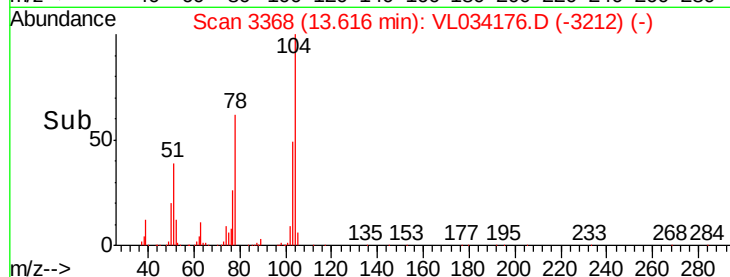
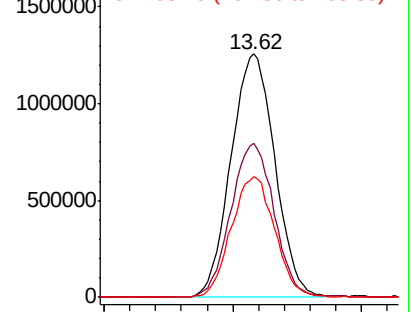
103 49.4 38.4 57.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 11.860 ppbv

RT: 14.76 min Scan# 3723

Delta R.T. 0.00 min

Lab File: VL034176.D

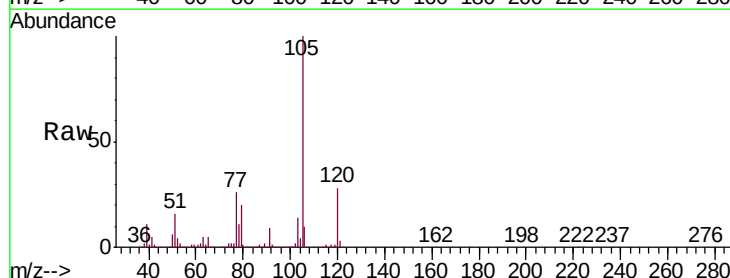
Acq: 17 Sep 2019 8:07

Tgt Ion:105 Resp: 4853285

Ion Ratio Lower Upper

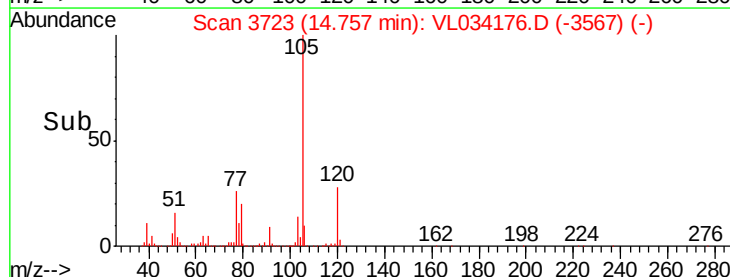
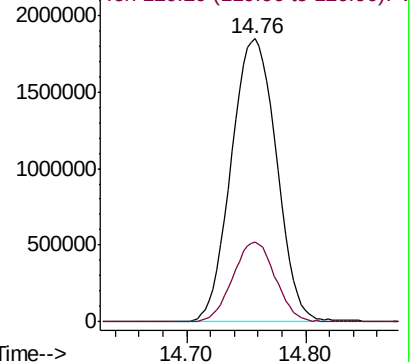
105 100

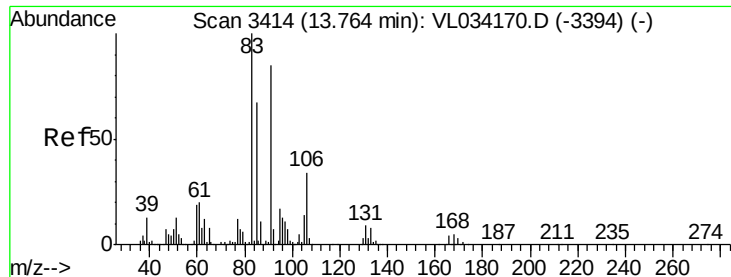
120 26.7 20.7 31.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 10.947 ppbv

RT: 13.77 min Scan# 3415

Delta R.T. 0.00 min

Lab File: VL034176.D

Acq: 17 Sep 2019 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

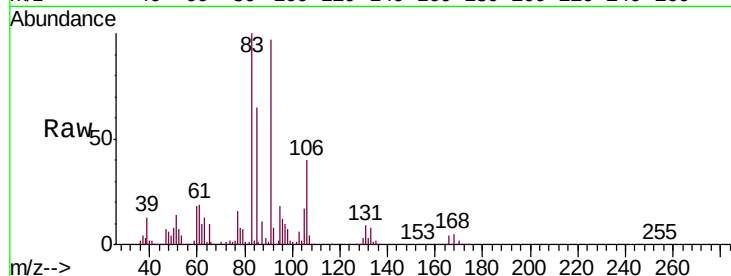
Tgt Ion: 83 Resp: 2810161

Ion Ratio Lower Upper

83 100

131 8.6 4.3 12.8

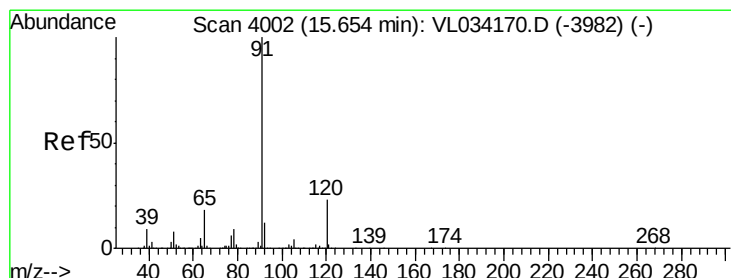
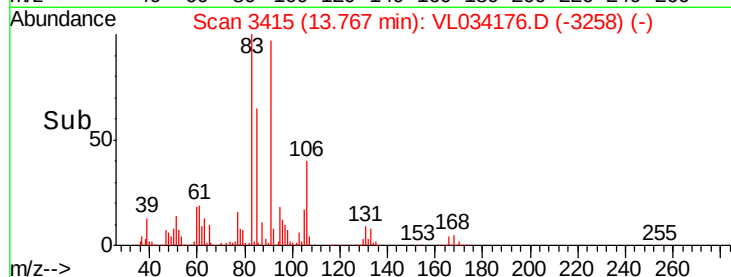
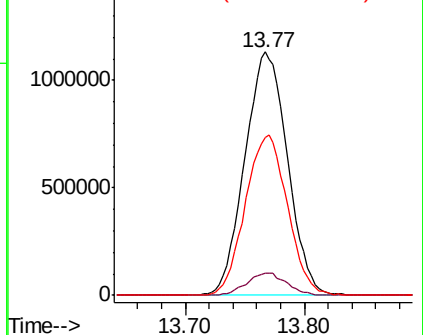
85 65.4 32.8 98.4



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 12.876 ppbv

RT: 15.65 min Scan# 4001

Delta R.T. -0.00 min

Lab File: VL034176.D

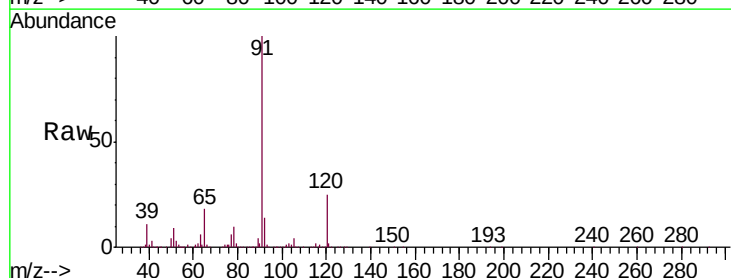
Acq: 17 Sep 2019 8:07

Tgt Ion: 120 Resp: 1321469

Ion Ratio Lower Upper

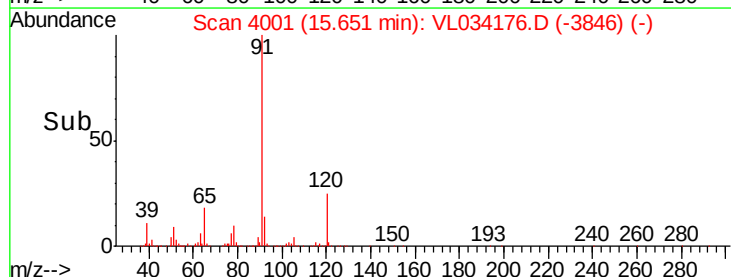
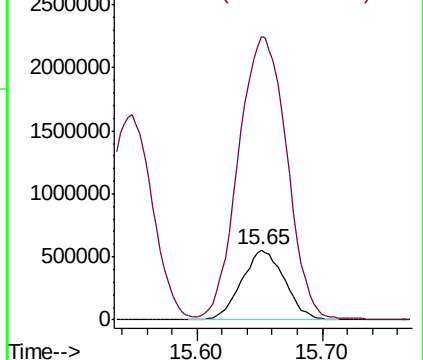
120 100

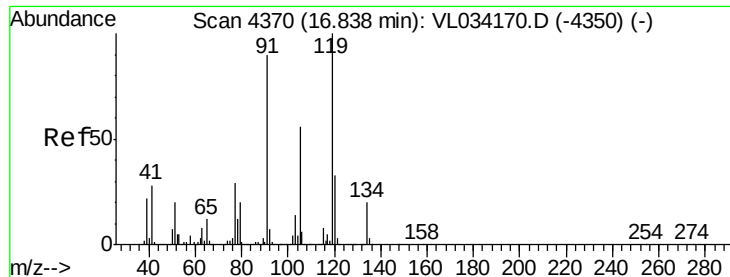
91 457.2 378.2 567.2



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 5.987 ppbv

RT: 16.84 min Scan# 4372

Delta R.T. 0.01 min

Lab File: VL034176.D

Acq: 17 Sep 2019 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

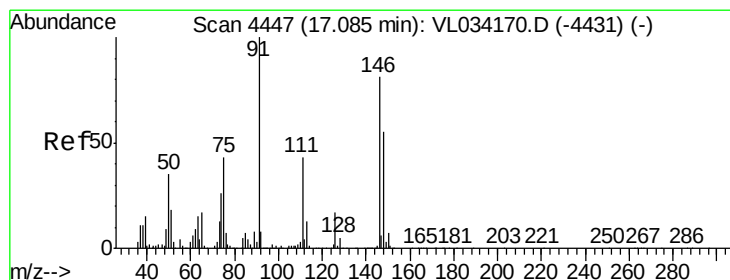
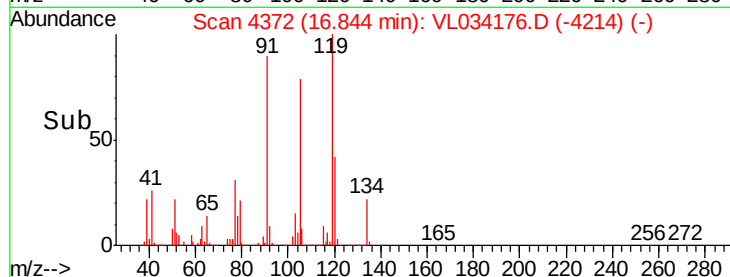
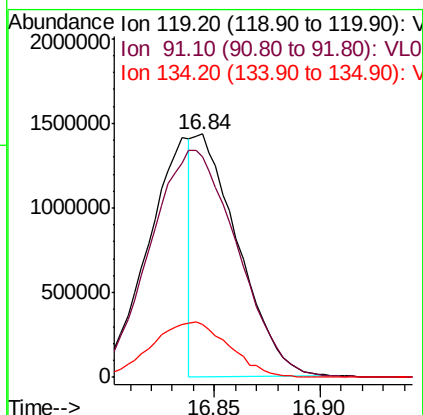
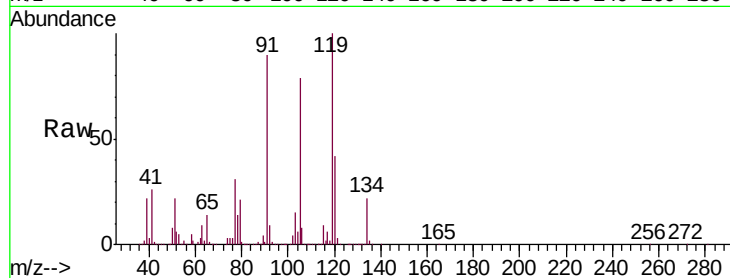
Tgt Ion:119 Resp: 2119264

Ion Ratio Lower Upper

119 100

91 183.3 74.9 112.3#

134 40.1 15.8 23.6#



#66

Benzyl Chloride

Concen: 17.930 ppbv

RT: 17.09 min Scan# 4448

Delta R.T. 0.00 min

Lab File: VL034176.D

Acq: 17 Sep 2019 8:07

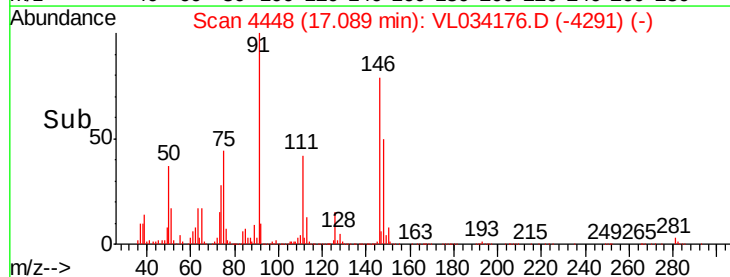
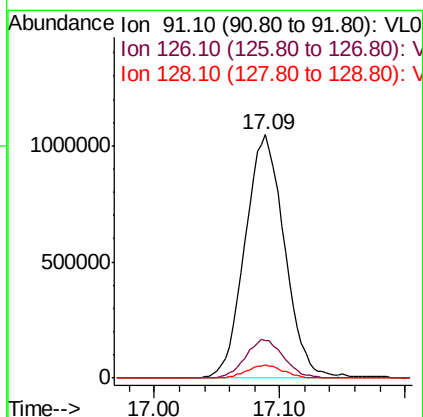
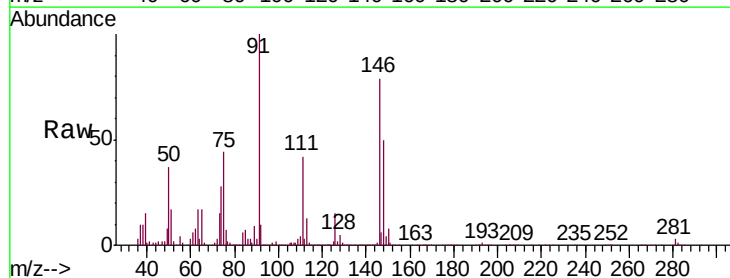
Tgt Ion: 91 Resp: 2295154

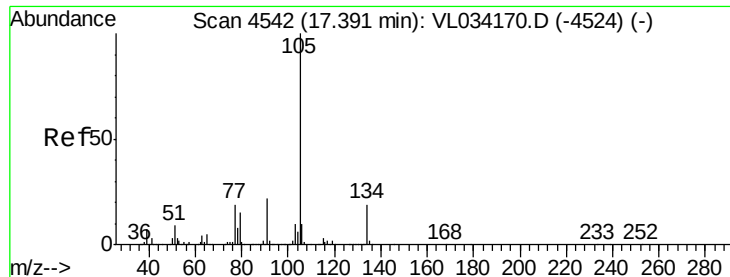
Ion Ratio Lower Upper

91 100

126 15.6 12.6 19.0

128 5.1 4.0 6.0





#67

sec-Butylbenzene

Concen: 11.532 ppbv

RT: 17.39 min Scan# 4541

Delta R.T. -0.00 min

Lab File: VL034176.D

Acq: 17 Sep 2019 8:07

Instrument :

MSVOA_L

ClientSampleId :

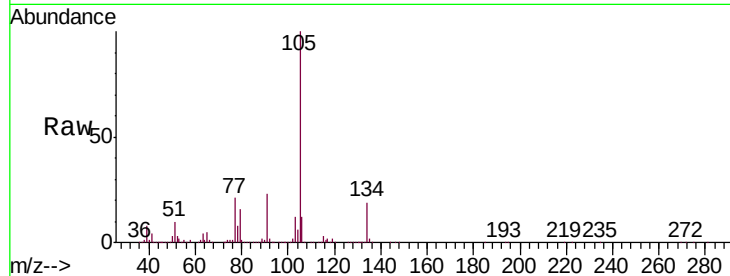
VSTDIC015

Tgt Ion: 105 Resp: 5878186

Ion Ratio Lower Upper

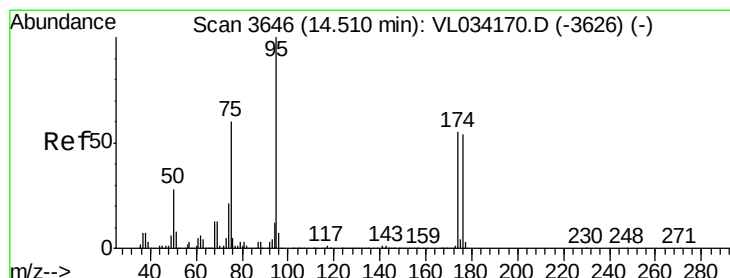
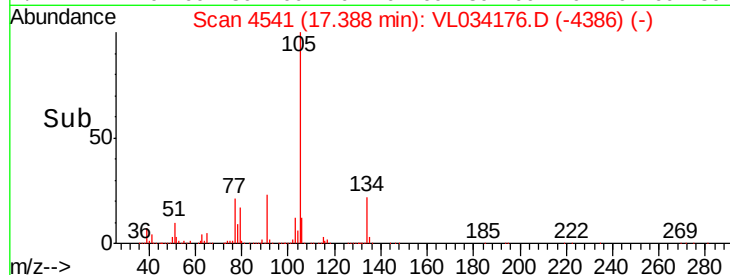
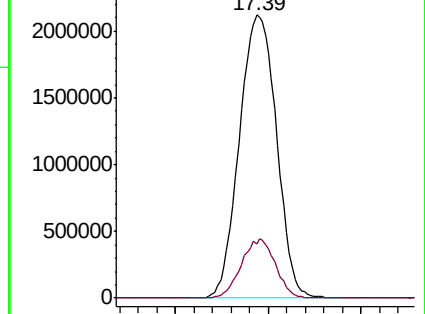
105 100

134 19.2 14.6 22.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.329 ppbv

RT: 14.51 min Scan# 3646

Delta R.T. 0.00 min

Lab File: VL034176.D

Acq: 17 Sep 2019 8:07

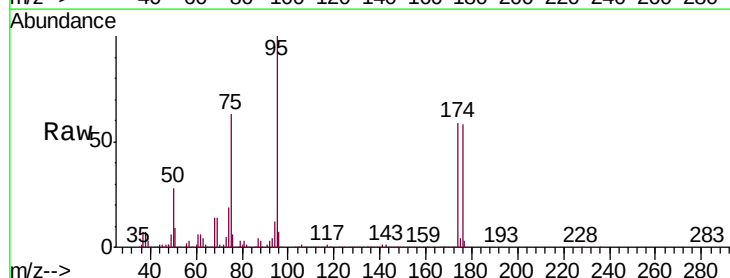
Tgt Ion: 95 Resp: 2003532

Ion Ratio Lower Upper

95 100

174 58.1 45.1 67.7

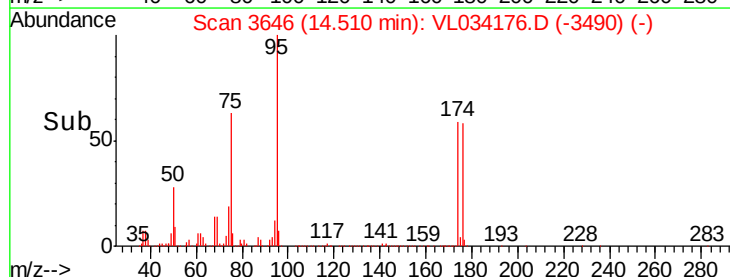
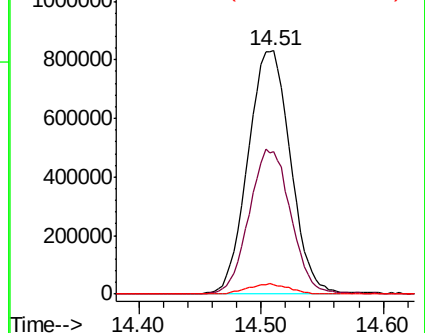
175 4.2 3.3 4.9

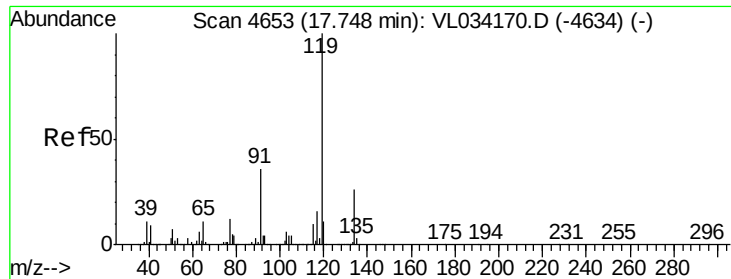


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

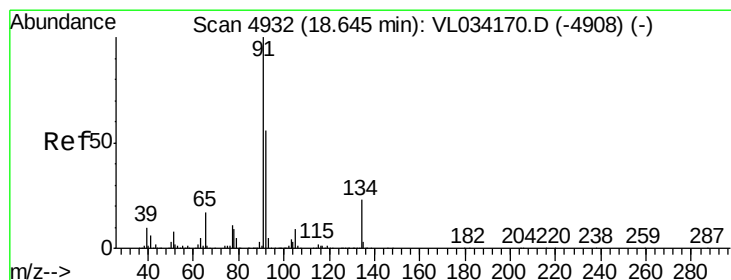
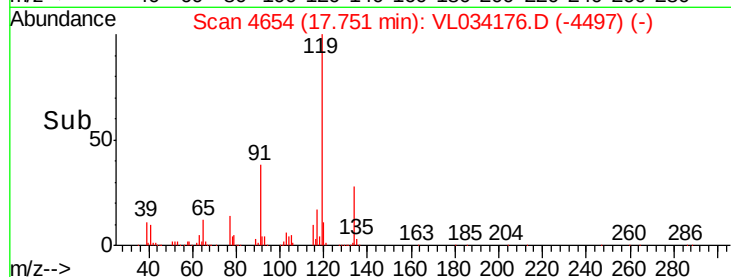
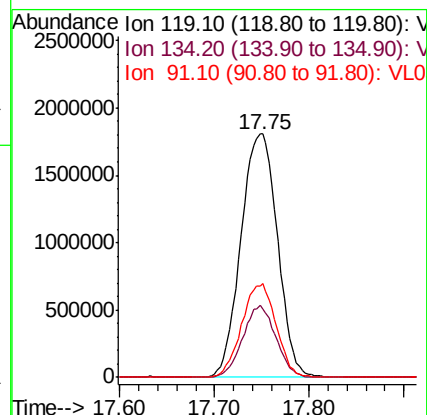
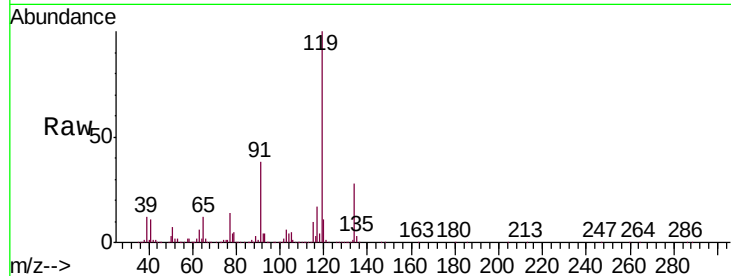




#69
 p-Isopropyltoluene
 Concen: 11.885 ppbv
 RT: 17.75 min Scan# 4654
 Delta R.T. 0.00 min
 Lab File: VL034176.D
 Acq: 17 Sep 2019 8:07

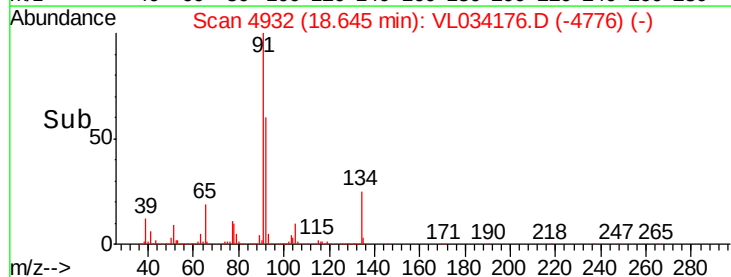
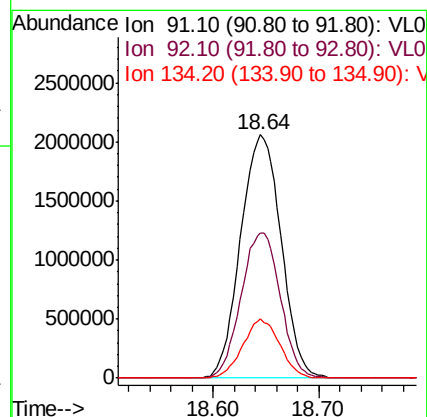
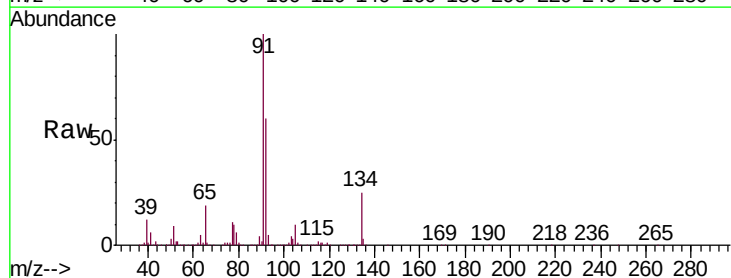
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

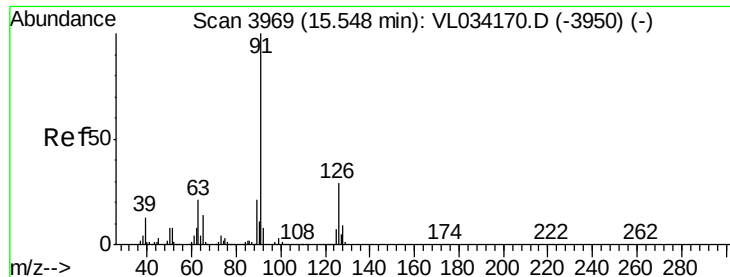
Tgt Ion: 119 Resp: 4849586
 Ion Ratio Lower Upper
 119 100
 134 26.8 20.6 30.8
 91 36.2 27.6 41.4



#70
 n-Butylbenzene
 Concen: 11.784 ppbv
 RT: 18.64 min Scan# 4932
 Delta R.T. 0.00 min
 Lab File: VL034176.D
 Acq: 17 Sep 2019 8:07

Tgt Ion: 91 Resp: 5494196
 Ion Ratio Lower Upper
 91 100
 92 58.1 44.8 67.2
 134 22.4 17.3 25.9





#71

2-Chlorotoluene

Concen: 12.240 ppbv

RT: 15.55 min Scan# 3969

Delta R.T. 0.00 min

Lab File: VL034176.D

Acq: 17 Sep 2019 8:07

Instrument :

MSVOA_L

ClientSampleId :

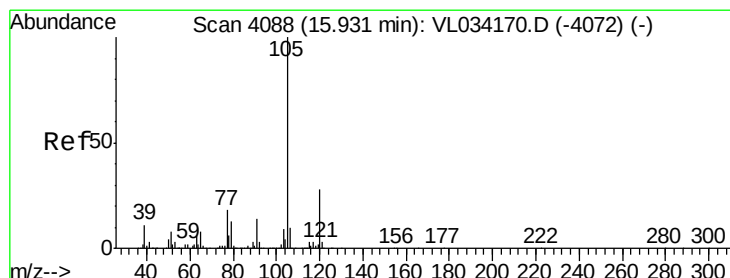
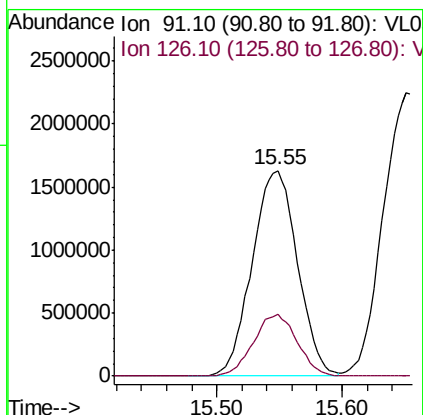
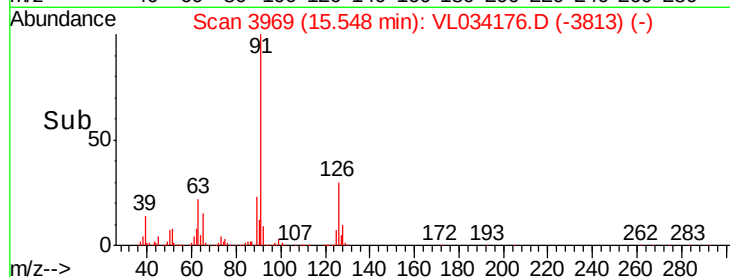
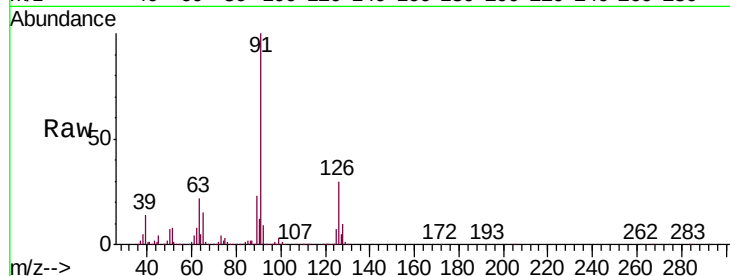
VSTDIC015

Tgt Ion: 91 Resp: 4093108

Ion Ratio Lower Upper

91 100

126 29.1 11.2 45.0



#72

4-Ethyltoluene

Concen: 12.473 ppbv

RT: 15.93 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VL034176.D

Acq: 17 Sep 2019 8:07

Tgt Ion: 105 Resp: 4431377

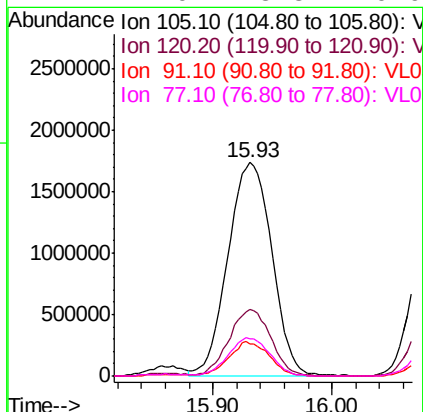
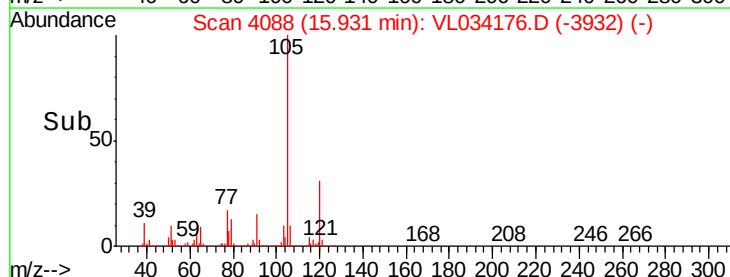
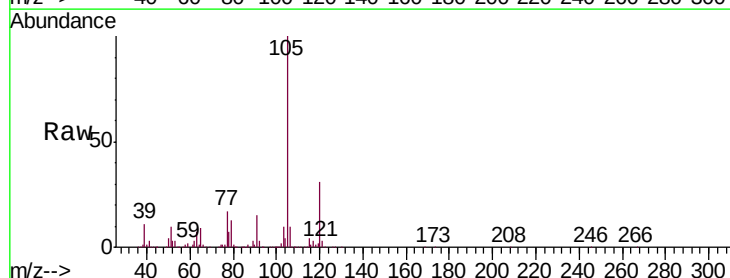
Ion Ratio Lower Upper

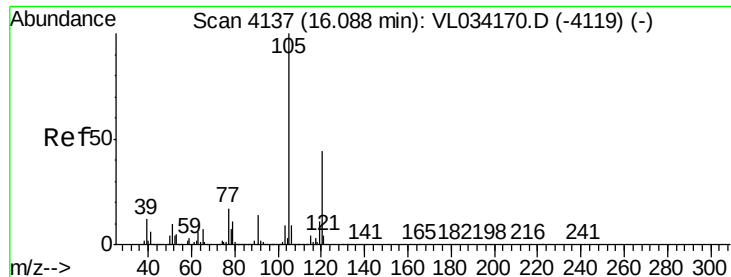
105 100

120 29.8 23.3 34.9

91 14.7 11.4 17.2

77 17.0 13.3 19.9





#73

1,3,5-Trimethylbenzene

Concen: 12.181 ppbv

RT: 16.09 min Scan# 4137

Delta R.T. 0.00 min

Lab File: VL034176.D

Acq: 17 Sep 2019 8:07

Instrument :

MSVOA_L

ClientSampleId :

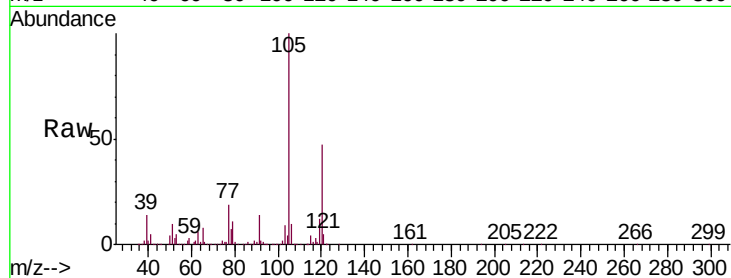
VSTDIC015

Tgt Ion:105 Resp: 4205258

Ion Ratio Lower Upper

105 100

120 47.1 35.6 53.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.09

1500000

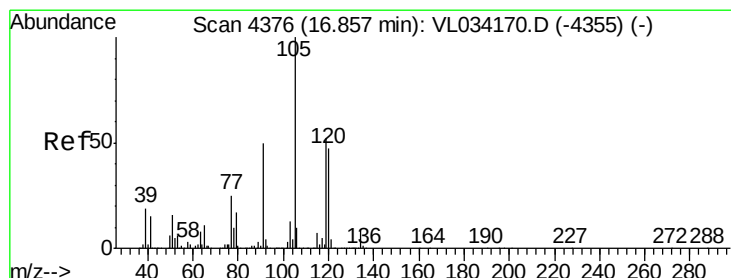
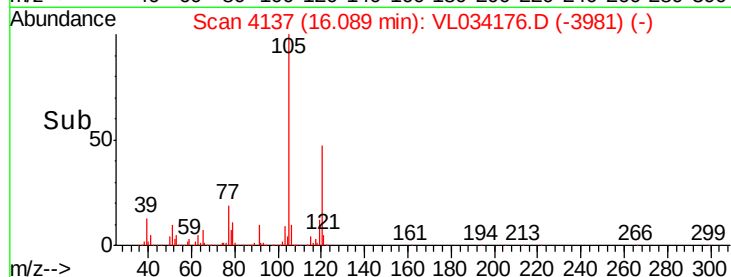
1000000

500000

0

Time-->

16.00 16.10



#74

1,2,4-Trimethylbenzene

Concen: 11.678 ppbv

RT: 16.86 min Scan# 4377

Delta R.T. 0.00 min

Lab File: VL034176.D

Acq: 17 Sep 2019 8:07

Tgt Ion:105 Resp: 4165949

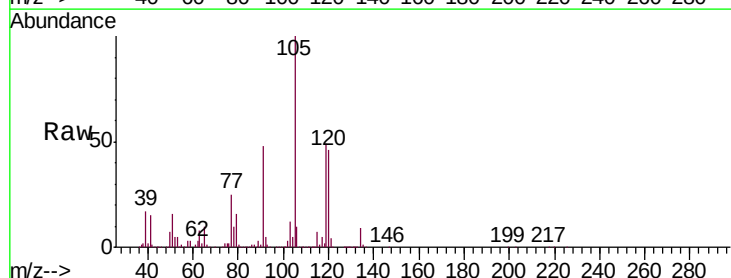
Ion Ratio Lower Upper

105 100

120 45.9 37.5 56.3

91 47.9 41.1 61.7

77 25.1 19.9 29.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2500000

2000000

1500000

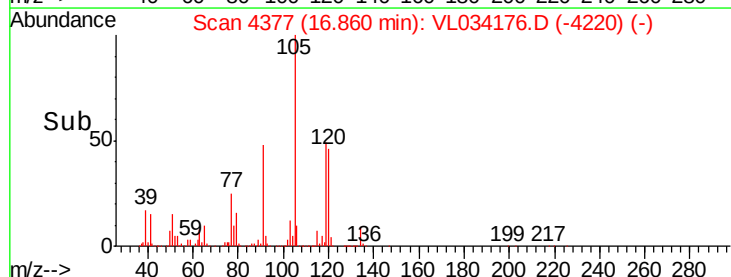
1000000

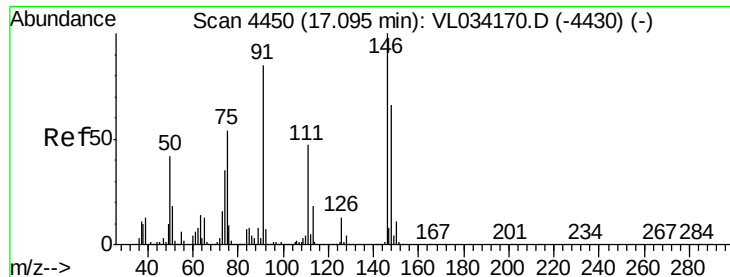
500000

0

Time-->

16.80 16.90





#75

1,3-Dichlorobenzene

Concen: 12.451 ppbv

RT: 17.09 min Scan# 4450

Delta R.T. 0.00 min

Lab File: VL034176.D

Acq: 17 Sep 2019 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

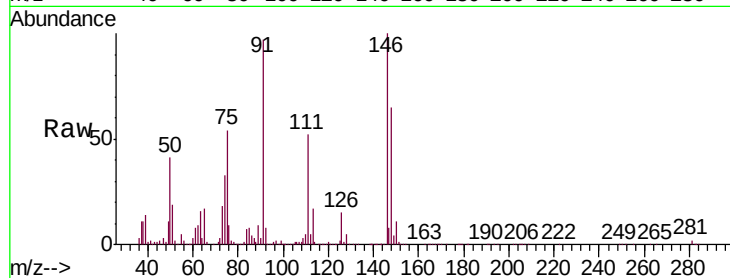
Tgt Ion:146 Resp: 2353958

Ion Ratio Lower Upper

146 100

111 51.7 25.9 77.8

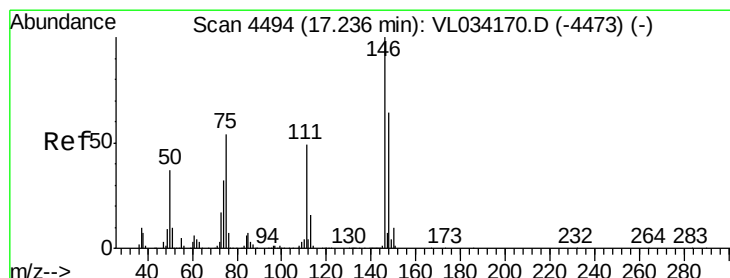
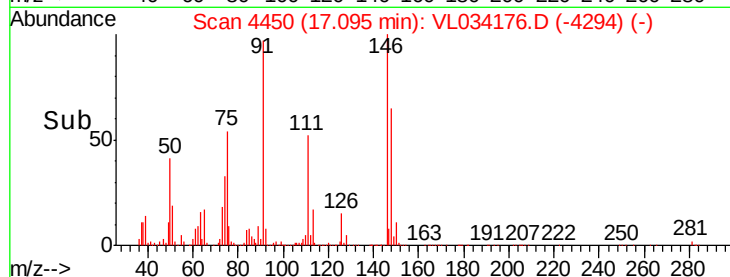
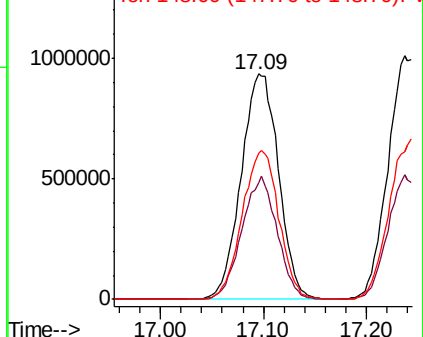
148 65.1 32.6 97.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 12.244 ppbv

RT: 17.24 min Scan# 4494

Delta R.T. 0.00 min

Lab File: VL034176.D

Acq: 17 Sep 2019 8:07

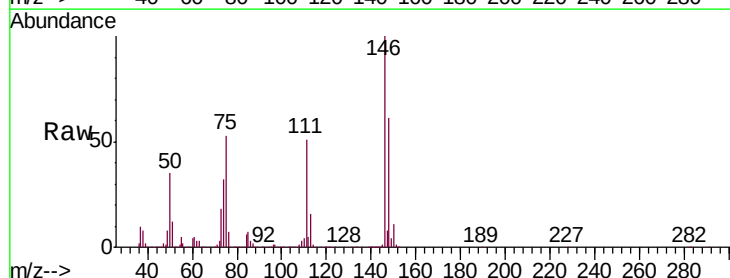
Tgt Ion:146 Resp: 2420643

Ion Ratio Lower Upper

146 100

111 50.4 24.6 74.0

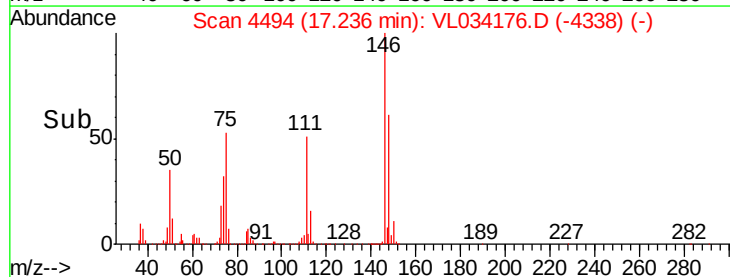
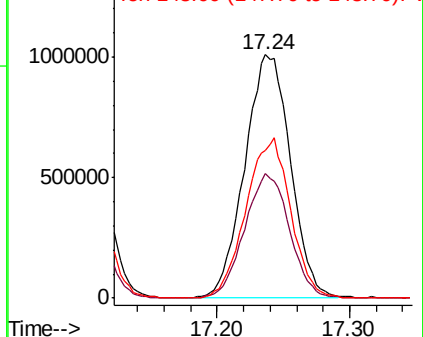
148 65.0 32.4 97.0

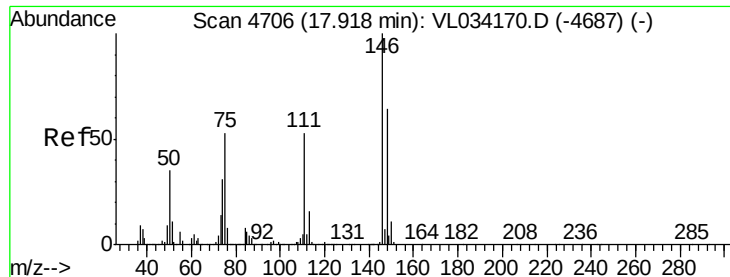


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 12.266 ppbv

RT: 17.91 min Scan# 4705

Delta R.T. -0.00 min

Lab File: VL034176.D

Acq: 17 Sep 2019 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

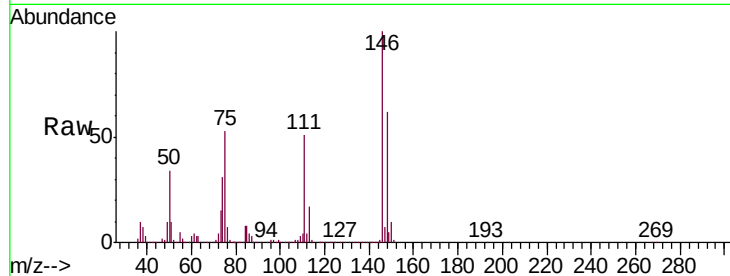
Tgt Ion:146 Resp: 2370730

Ion Ratio Lower Upper

146 100

111 52.5 26.1 78.3

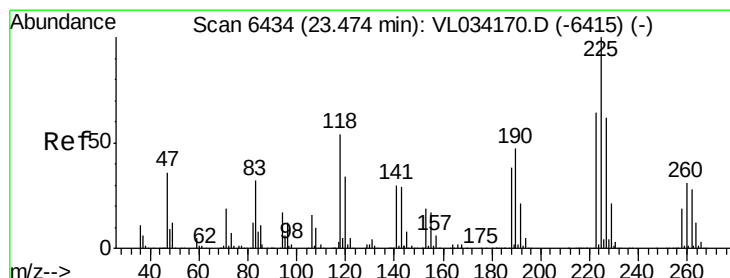
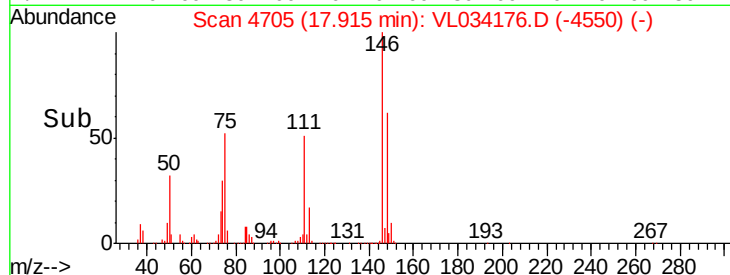
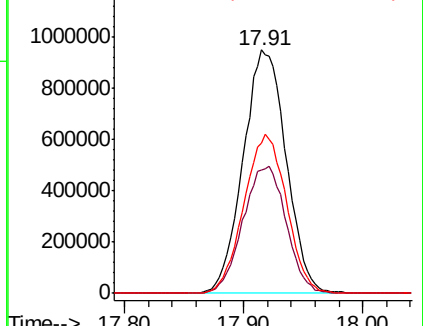
148 64.8 31.9 95.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 11.769 ppbv

RT: 23.47 min Scan# 6434

Delta R.T. 0.00 min

Lab File: VL034176.D

Acq: 17 Sep 2019 8:07

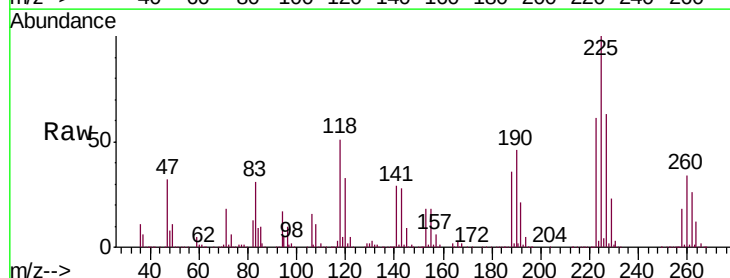
Tgt Ion:225 Resp: 1535409

Ion Ratio Lower Upper

225 100

223 63.0 51.7 77.5

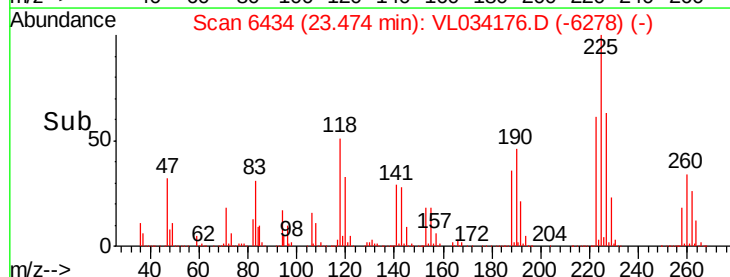
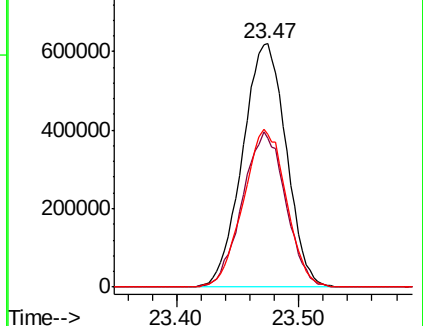
227 63.8 52.1 78.1

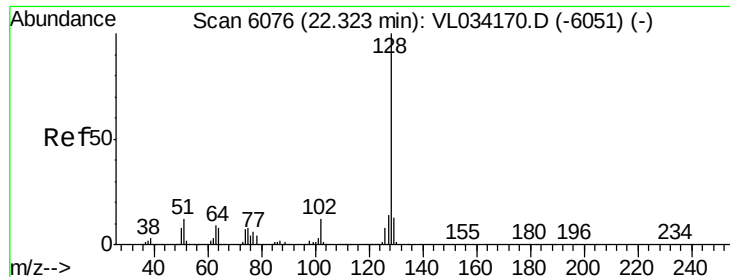


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 12.485 ppbv

RT: 22.32 min Scan# 6076

Delta R.T. 0.00 min

Lab File: VL034176.D

Acq: 17 Sep 2019 8:07

Instrument :

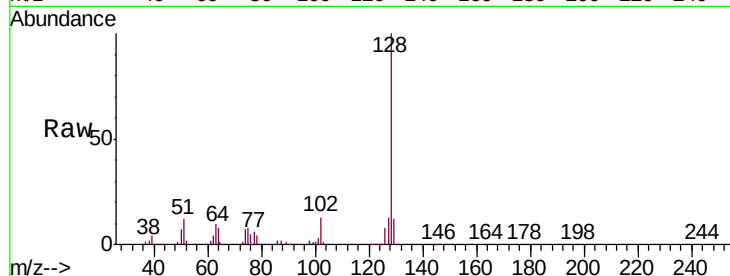
MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:128 Resp: 3984307

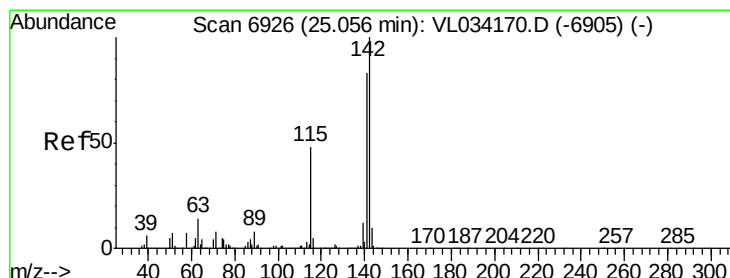
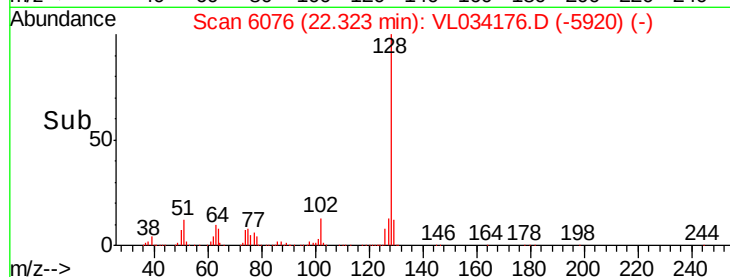
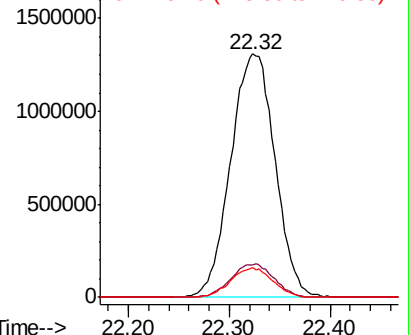
Ion	Ratio	Lower	Upper
128	100		
127	13.5	11.1	16.7
129	12.1	10.2	15.4



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 11.257 ppbv

RT: 25.05 min Scan# 6925

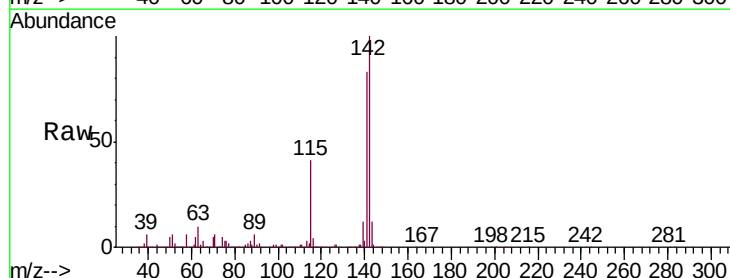
Delta R.T. -0.00 min

Lab File: VL034176.D

Acq: 17 Sep 2019 8:07

Tgt Ion:142 Resp: 1216637

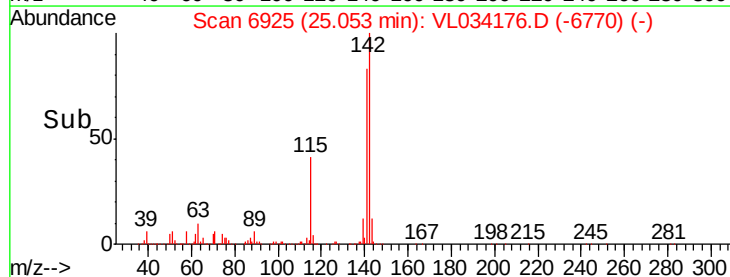
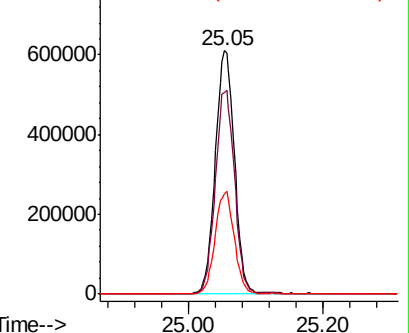
Ion	Ratio	Lower	Upper
142	100		
141	83.9	67.6	101.4
115	42.4	36.9	55.3

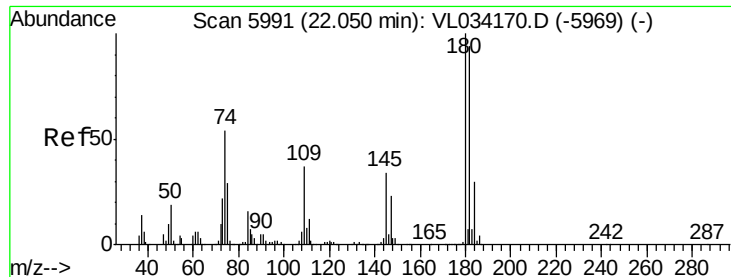


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 12.434 ppbv
 RT: 22.05 min Scan# 5991
 Delta R.T. 0.00 min
 Lab File: VL034176.D
 Acq: 17 Sep 2019 8:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion:180 Resp: 2168570
 Ion Ratio Lower Upper
 180 100
 182 97.0 77.4 116.2
 184 31.5 25.0 37.4

