

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102519\
 Data File : VL034359.D
 Acq On : 25 Oct 2019 10:14
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Oct 25 23:27:07 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	5.68	49	900332	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1928239	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	2428853	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1634832	7.95	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.02	85	1605192	10.342	ppbv	99
3) Chlorodifluoromethane	2.96	51	953390	9.035	ppbv	100
4) Chloromethane	3.12	50	585349	9.377	ppbv	98
5) Vinyl Chloride	3.23	62	545149	9.159	ppbv	99
6) Bromomethane	3.45	94	286672	9.836	ppbv	97
7) Chloroethane	3.54	64	204175	9.747	ppbv	99
8) Dichlorotetrafluoroethane	3.17	85	1267653	9.425	ppbv	98
9) Propene	2.98	41	468143	10.007	ppbv	99
10) Heptane	8.16	43	1198789	9.985	ppbv	99
11) Trichlorofluoromethane	3.94	101	1385858	9.404	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.48	101	928979	9.622	ppbv	98
13) Ethanol	3.59	45	78765	7.520	ppbv	98
14) Bromoethene	3.73	108	401020	10.550	ppbv	98
15) Acetone	3.84	43	1026872	7.974	ppbv	100
16) 1,3-Butadiene	3.31	39	515981	9.861	ppbv	100
17) tert-Butyl alcohol	4.29	59	746924	9.088	ppbv	100
18) 1,1-Dichloroethene	4.28	96	429383	10.158	ppbv	95
19) Isopropyl Alcohol	3.96	45	586589	8.165	ppbv	100
20) Methylene Chloride	4.34	84	380337	8.170	ppbv	94
21) Allyl Chloride	4.41	41	721033	10.128	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	438378	10.397	ppbv	99
23) Vinyl Acetate	5.08	43	1559814	9.699	ppbv #	98
24) 1,1-Dichloroethane	5.02	63	1129613	9.464	ppbv	99
25) Ethyl Acetate	5.69	43	2036507	9.367	ppbv	99
26) Hexane	5.70	57	894776	9.656	ppbv	97
27) Carbon Disulfide	4.55	76	1071913	11.142	ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1532138	10.925	ppbv	98
29) Chloroform	5.77	83	1417806	9.672	ppbv	96
30) Cyclohexane	7.16	84	730600	10.720	ppbv	94
31) cis-1,2-Dichloroethene	5.56	61	964099	10.251	ppbv	99
32) 1,1,1-Trichloroethane	6.54	97	1386095	9.724	ppbv	98
34) 2-Butanone	5.25	43	1374300	8.720	ppbv	98
35) Carbon Tetrachloride	7.05	117	1374695	8.185	ppbv	98
36) Benzene	6.92	78	1750074	9.459	ppbv	96
37) 1,2-Dichloroethane	6.33	62	1162885	8.434	ppbv #	97
38) Trichloroethene	7.87	130	666015	8.971	ppbv	97
39) 1,2-Dichloropropane	7.65	63	727702	9.135	ppbv	95
40) 1,4-Dioxane	7.87	88	234431	8.374	ppbv	71
41) Tetrahydrofuran	6.06	42	809324	9.253	ppbv	96
42) Bromodichloromethane	7.83	83	1551688	9.188	ppbv	99
43) Methyl Methacrylate	8.05	69	735361	9.610	ppbv	94

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 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

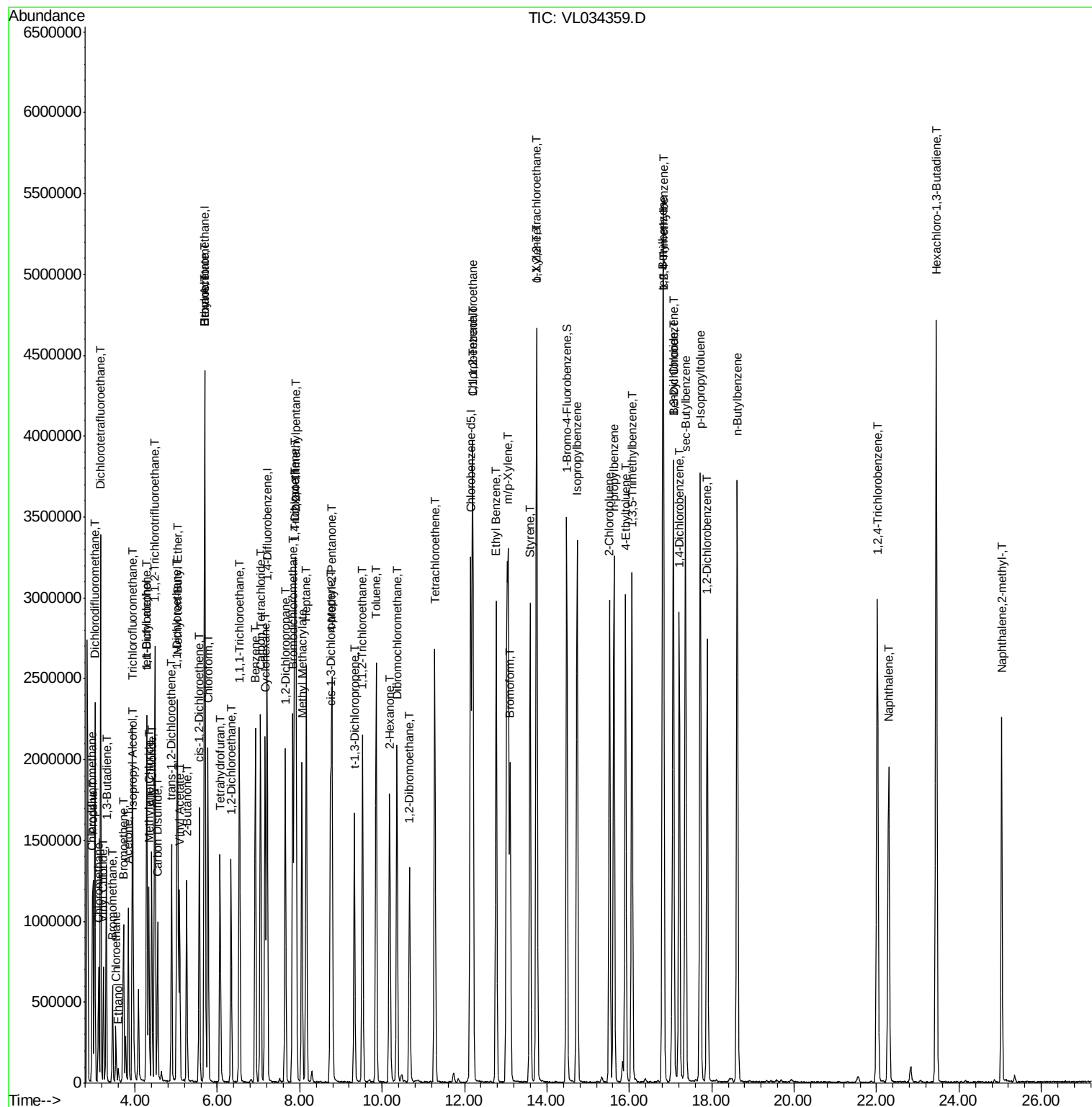
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	3016764	8.810	ppbv	99
45) t-1,3-Dichloropropene	9.33	75	978428	10.495	ppbv	98
46) cis-1,3-Dichloropropene	8.75	75	1109161	10.356	ppbv	99
47) 1,1,2-Trichloroethane	9.53	97	721623	8.943	ppbv	97
48) Dibromochloromethane	10.36	129	1262363	9.537	ppbv	98
49) Bromoform	13.11	173	1109134	9.456	ppbv	100
50) 4-Methyl-2-Pentanone	8.78	43	2044136	9.060	ppbv	99
51) 2-Hexanone	10.18	43	1720190	9.300	ppbv #	98
52) Tetrachloroethene	11.28	164	659688	9.097	ppbv	96
53) Toluene	9.85	91	2024263	9.915	ppbv	100
54) 1,2-Dibromoethane	10.67	107	1099379	9.192	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.19	131	817252	7.301	ppbv #	59
57) Chlorobenzene	12.20	112	1498026	7.393	ppbv	98
58) Ethyl Benzene	12.77	91	2771471	8.163	ppbv	97
59) m/p-Xylene	13.05	91	2131222	7.245	ppbv #	23
60) o-Xylene	13.75	91	2246656	7.669	ppbv	98
61) Styrene	13.59	104	1705317	8.269	ppbv	99
62) Isopropylbenzene	14.73	105	2954311	7.640	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.74	83	1520968	6.461	ppbv	100
64) n-propylbenzene	15.63	120	766066	7.719	ppbv	98
65) tert-Butylbenzene	16.81	119	2571021	7.502	ppbv	99
66) Benzyl Chloride	17.06	91	1017674	7.518	ppbv	100
67) sec-Butylbenzene	17.37	105	3571713	7.406	ppbv	98
69) p-Isopropyltoluene	17.73	119	2956420	7.519	ppbv	99
70) n-Butylbenzene	18.62	91	3166427	7.401	ppbv	98
71) 2-Chlorotoluene	15.52	91	2322443	7.746	ppbv	99
72) 4-Ethyltoluene	15.91	105	2594508	7.879	ppbv	99
73) 1,3,5-Trimethylbenzene	16.07	105	2464625	7.554	ppbv	99
74) 1,2,4-Trimethylbenzene	16.83	105	2499947	7.348	ppbv	97
75) 1,3-Dichlorobenzene	17.07	146	1425565	6.979	ppbv	99
76) 1,4-Dichlorobenzene	17.21	146	1426682	7.150	ppbv	99
77) 1,2-Dichlorobenzene	17.89	146	871329	4.351	ppbv #	56
78) Hexachloro-1,3-Butadiene	23.45	225	1358068	8.198	ppbv	99
79) Naphthalene	22.29	128	2487772	10.010	ppbv	99
80) Naphthalene, 2-methyl-	25.04	142	1240758	17.271	ppbv	96
81) 1,2,4-Trichlorobenzene	22.02	180	1452424	8.947	ppbv	98

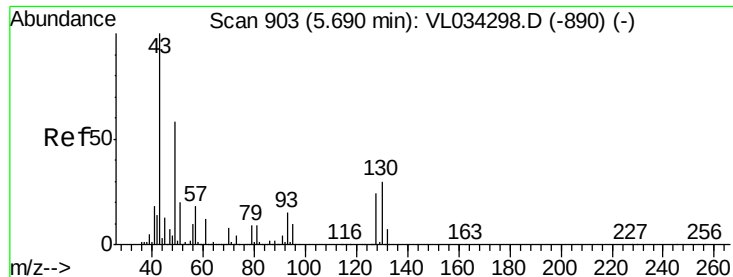
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

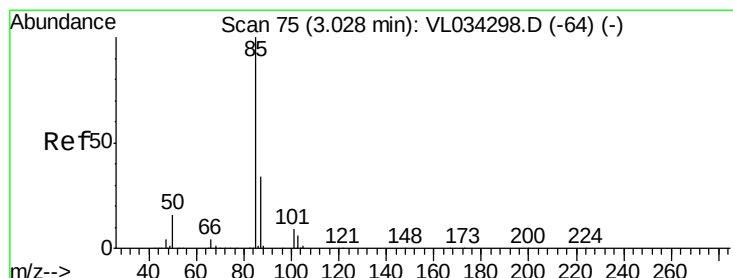
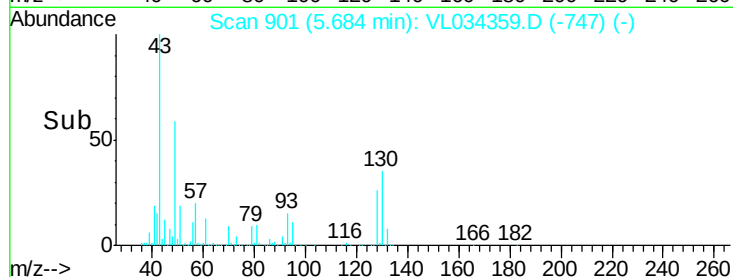
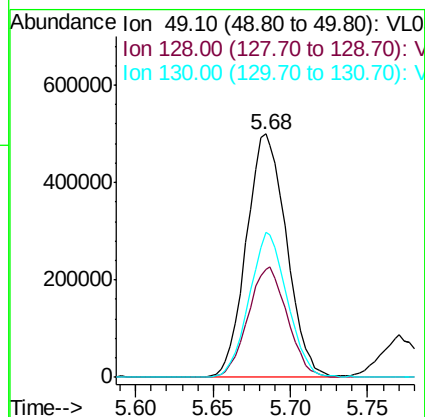
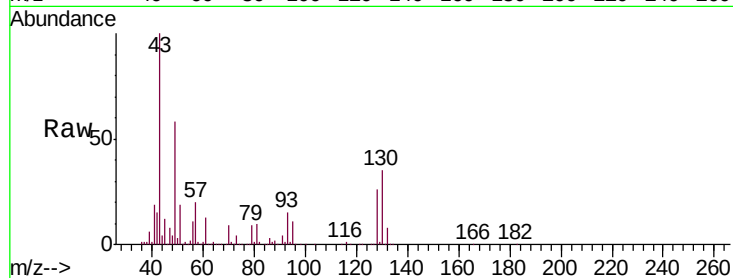
Tgt Ion: 49 Resp: 900332

Ion Ratio Lower Upper

49 100

128 44.6 20.6 61.8

130 56.8 26.2 78.5



#2

Dichlorodifluoromethane

Concen: 10.342 ppbv

RT: 3.02 min Scan# 74

Delta R.T. -0.00 min

Lab File: VL034359.D

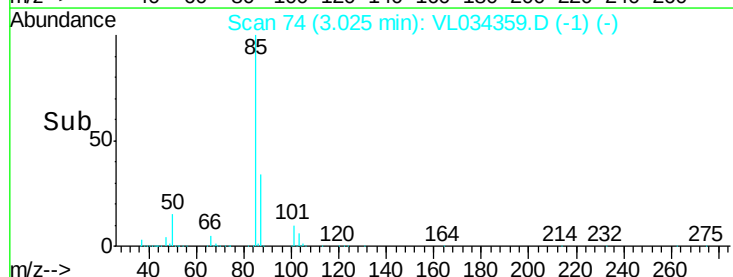
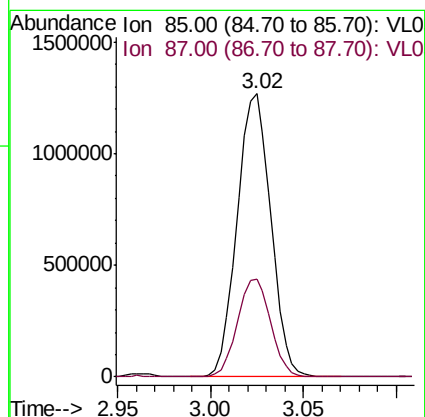
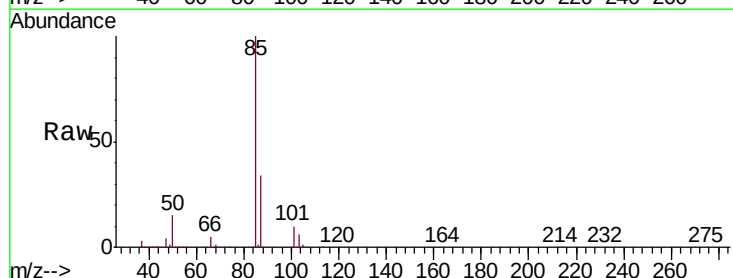
Acq: 25 Oct 2019 10:14

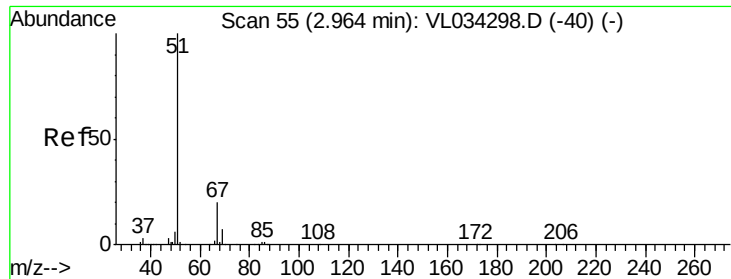
Tgt Ion: 85 Resp: 1605192

Ion Ratio Lower Upper

85 100

87 34.4 27.0 40.6





#3

Chlorodifluoromethane

Concen: 9.035 ppbv

RT: 2.96 min Scan# 55

Delta R.T. 0.00 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

ClientSampleId :

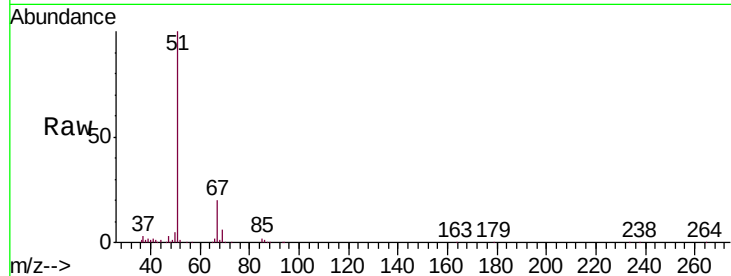
VSTDCCC010

Tgt Ion: 51 Resp: 953390

Ion Ratio Lower Upper

51 100

67 20.0 15.8 23.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.96

800000

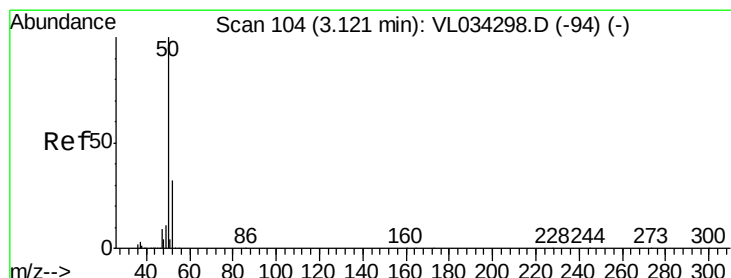
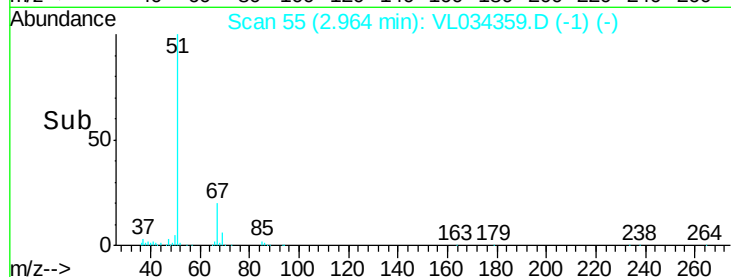
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 9.377 ppbv

RT: 3.12 min Scan# 103

Delta R.T. -0.00 min

Lab File: VL034359.D

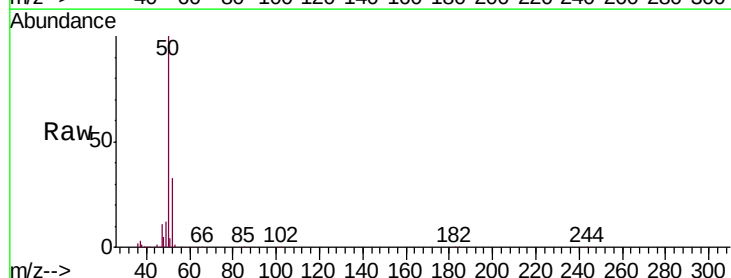
Acq: 25 Oct 2019 10:14

Tgt Ion: 50 Resp: 585349

Ion Ratio Lower Upper

50 100

52 33.2 25.4 38.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.12

400000

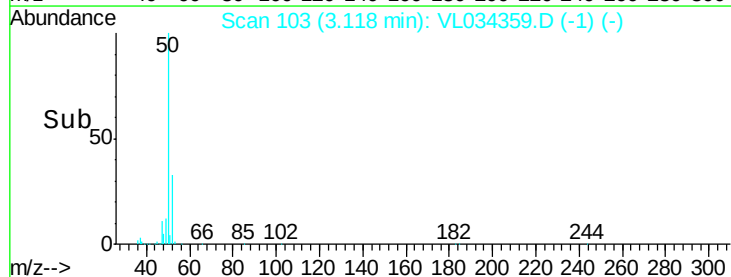
300000

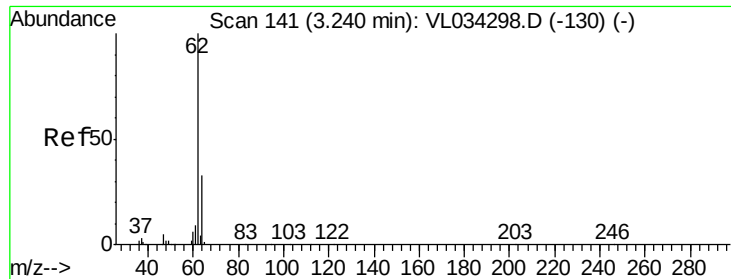
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 9.159 ppbv

RT: 3.23 min Scan# 139

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

ClientSampleId :

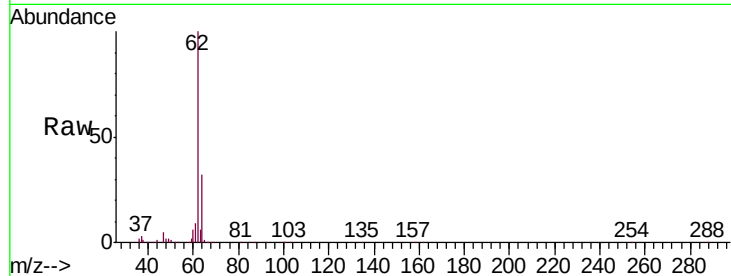
VSTDCCC010

Tgt Ion: 62 Resp: 545149

Ion Ratio Lower Upper

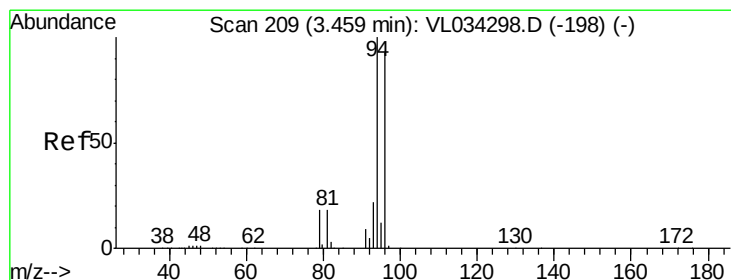
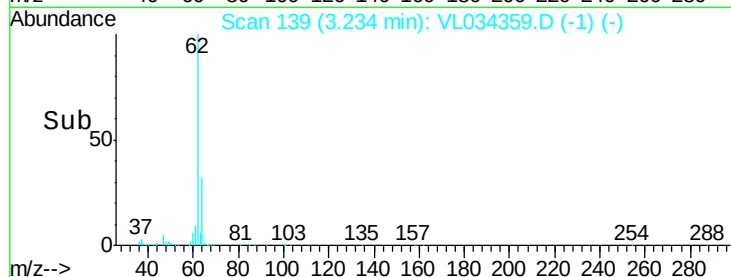
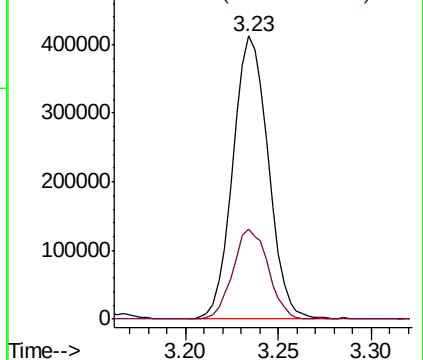
62 100

64 32.0 26.0 39.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.836 ppbv

RT: 3.45 min Scan# 207

Delta R.T. -0.01 min

Lab File: VL034359.D

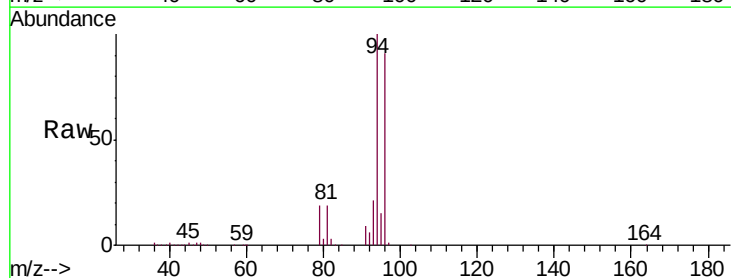
Acq: 25 Oct 2019 10:14

Tgt Ion: 94 Resp: 286672

Ion Ratio Lower Upper

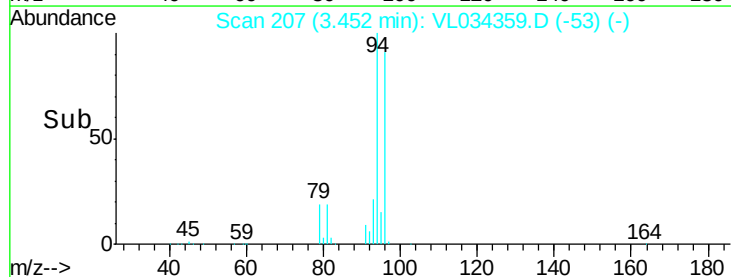
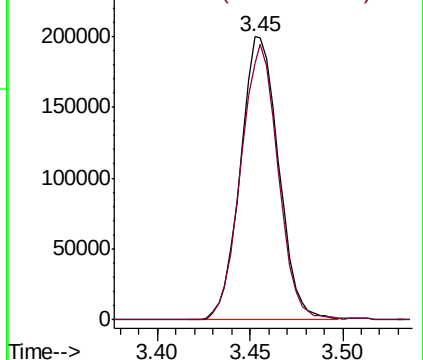
94 100

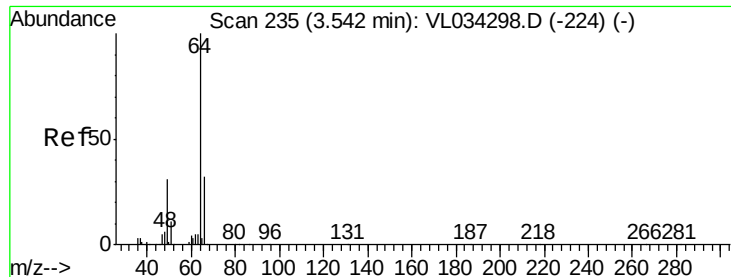
96 90.5 74.6 112.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.747 ppbv

RT: 3.54 min Scan# 234

Delta R.T. -0.00 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

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ClientSampleId :

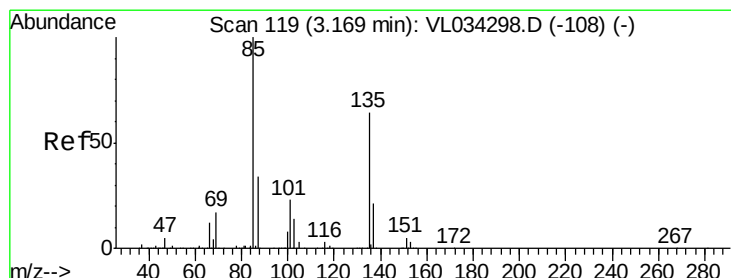
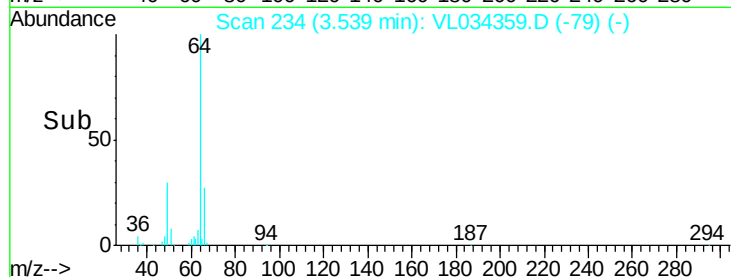
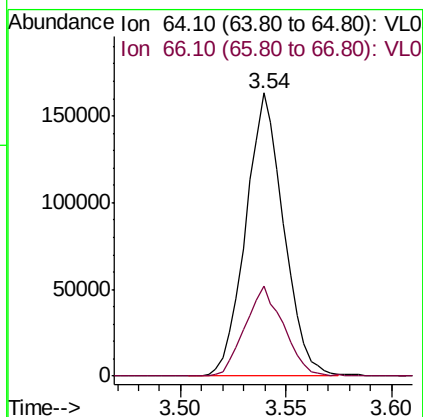
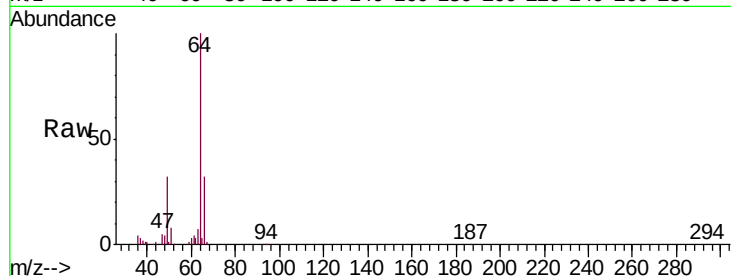
VSTDCCC010

Tgt Ion: 64 Resp: 204175

Ion Ratio Lower Upper

64 100

66 32.0 25.4 38.0



#8

Dichlorotetrafluoroethane

Concen: 9.425 ppbv

RT: 3.17 min Scan# 118

Delta R.T. -0.00 min

Lab File: VL034359.D

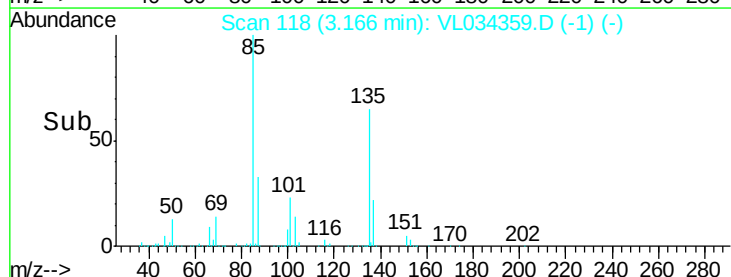
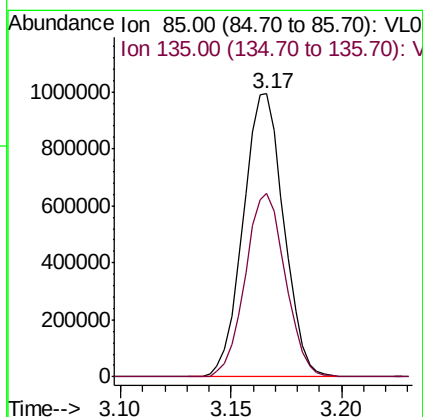
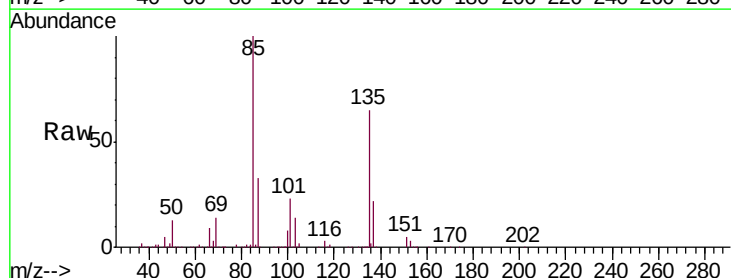
Acq: 25 Oct 2019 10:14

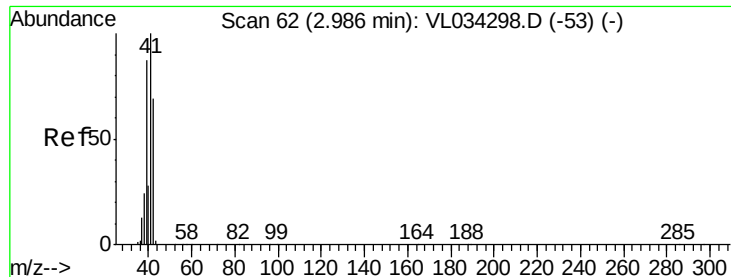
Tgt Ion: 85 Resp: 1267653

Ion Ratio Lower Upper

85 100

135 64.3 50.2 75.2





#9

Propene

Concen: 10.007 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.00 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

ClientSampleId :

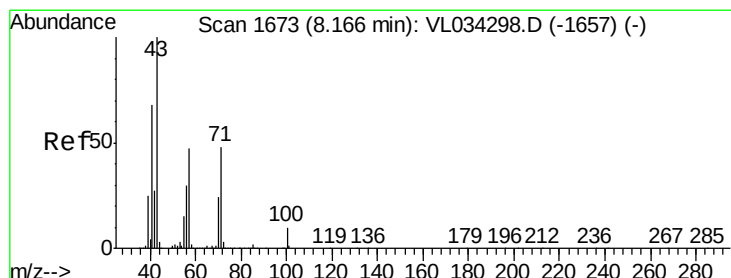
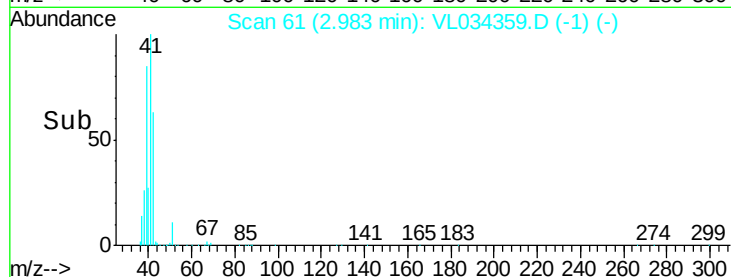
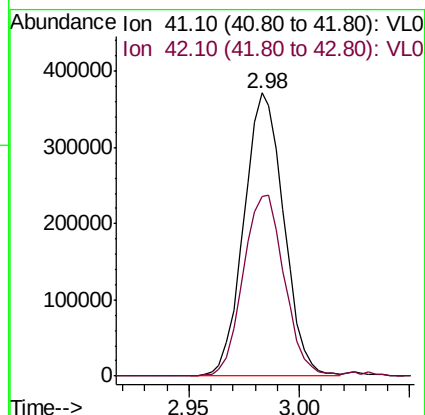
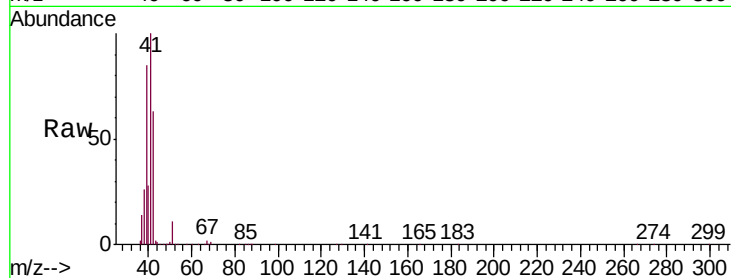
VSTDCCC010

Tgt Ion: 41 Resp: 468143

Ion Ratio Lower Upper

41 100

42 66.9 53.9 80.9



#10

Heptane

Concen: 9.985 ppbv

RT: 8.16 min Scan# 1671

Delta R.T. -0.01 min

Lab File: VL034359.D

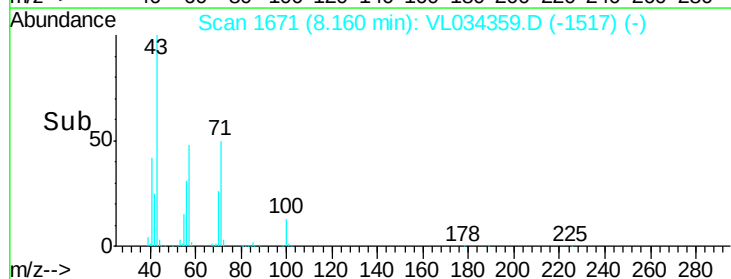
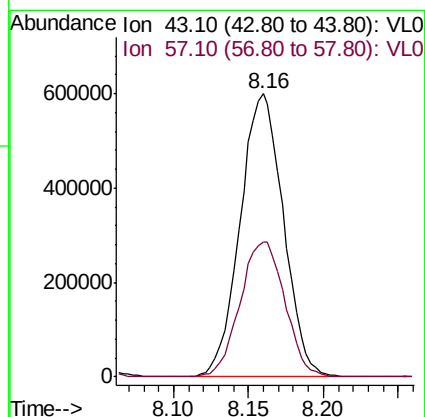
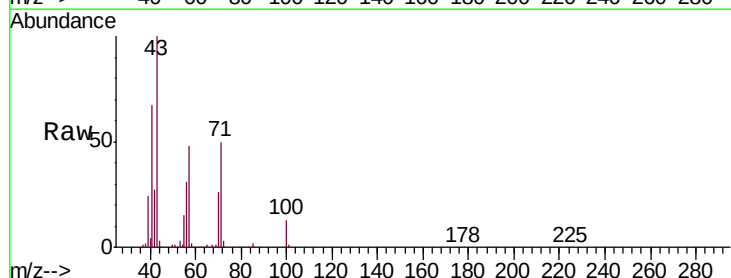
Acq: 25 Oct 2019 10:14

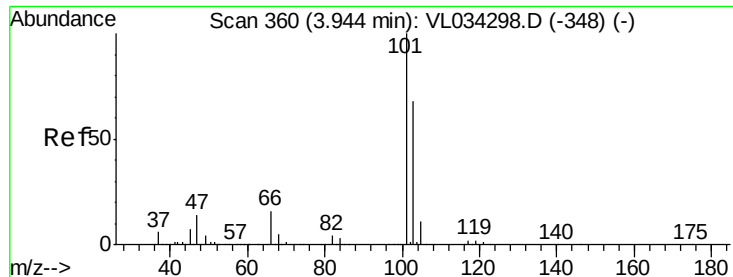
Tgt Ion: 43 Resp: 1198789

Ion Ratio Lower Upper

43 100

57 49.9 39.5 59.3

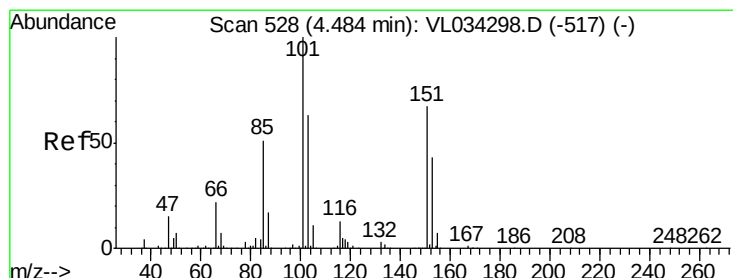
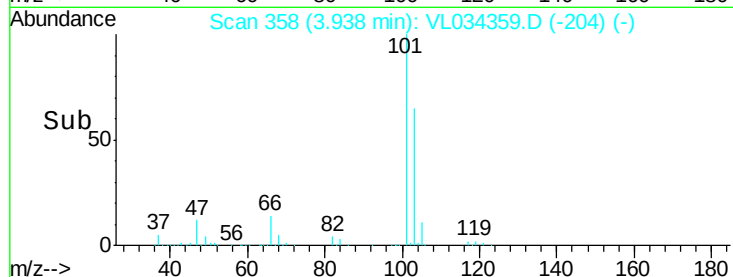
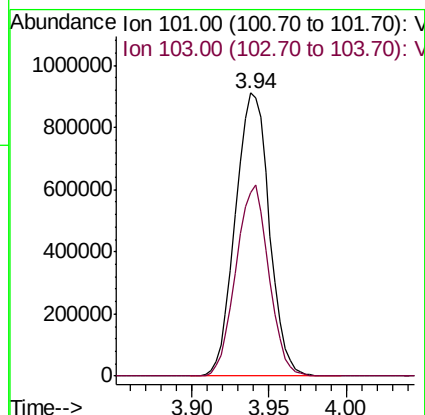
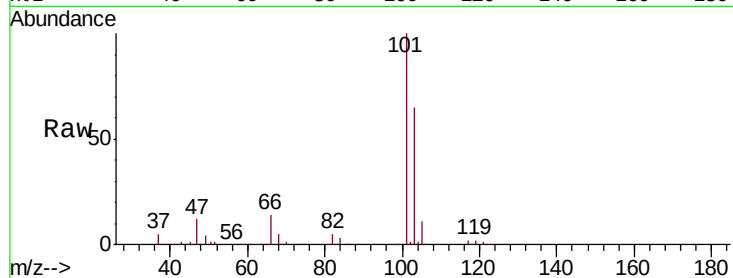




#11
 Trichlorofluoromethane
 Concen: 9.404 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. -0.01 min
 Lab File: VL034359.D
 Acq: 25 Oct 2019 10:14

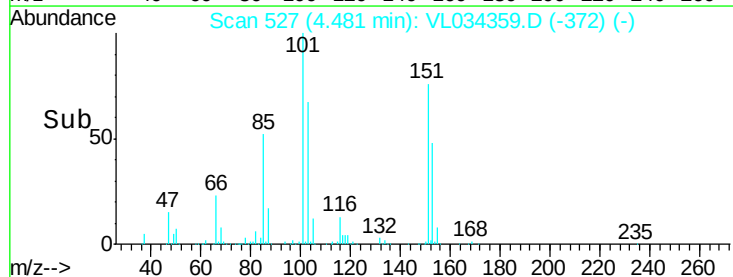
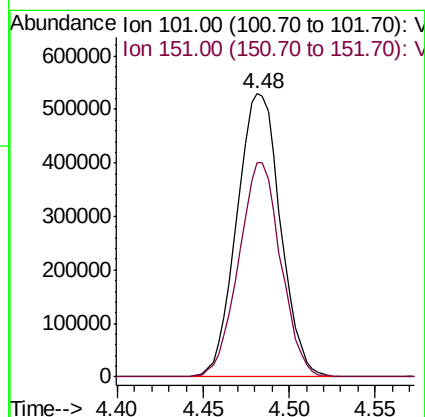
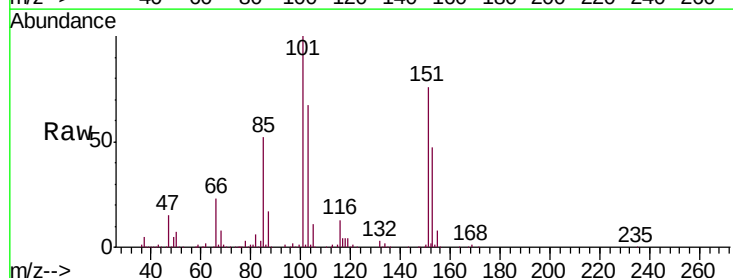
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

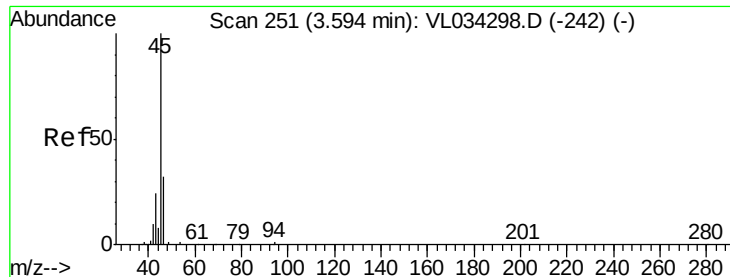
Tgt Ion:101 Resp: 1385858
 Ion Ratio Lower Upper
 101 100
 103 64.9 54.5 81.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.622 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VL034359.D
 Acq: 25 Oct 2019 10:14

Tgt Ion:101 Resp: 928979
 Ion Ratio Lower Upper
 101 100
 151 73.6 57.4 86.2





#13

Ethanol

Concen: 7.520 ppbv

RT: 3.59 min Scan# 251

Delta R.T. 0.00 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

ClientSampleId :

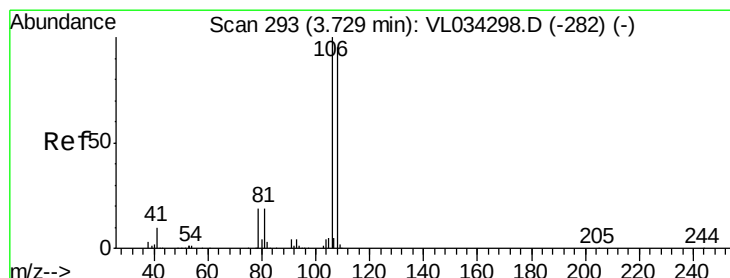
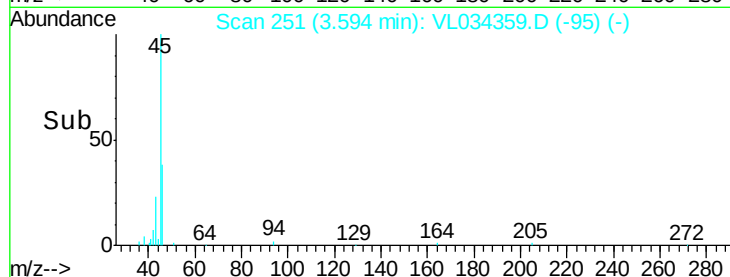
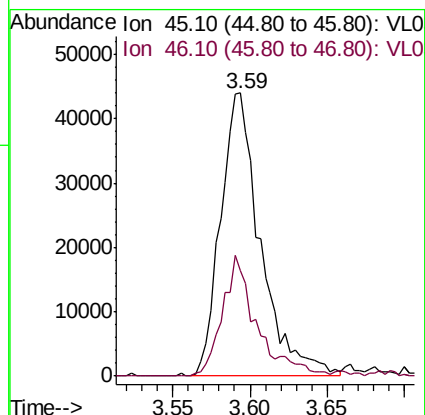
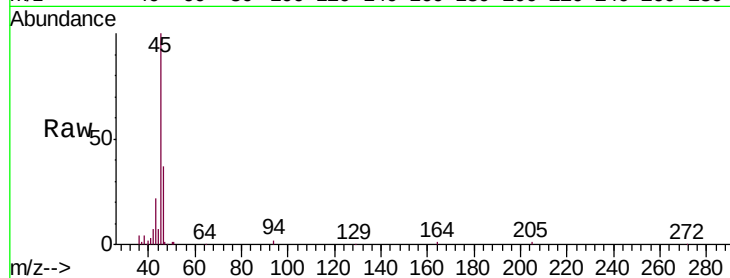
VSTDCCC010

Tgt Ion: 45 Resp: 78765

Ion Ratio Lower Upper

45 100

46 38.5 15.8 63.2



#14

Bromoethene

Concen: 10.550 ppbv

RT: 3.73 min Scan# 292

Delta R.T. -0.00 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

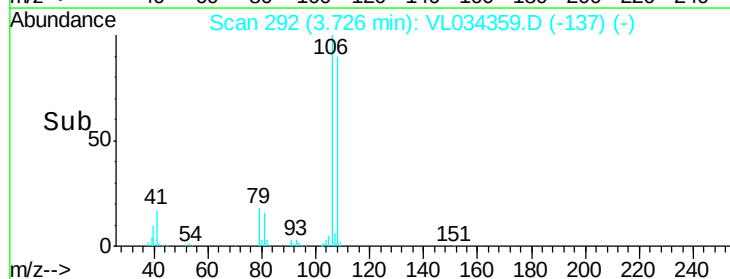
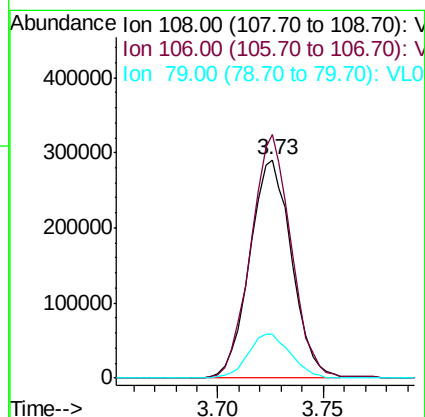
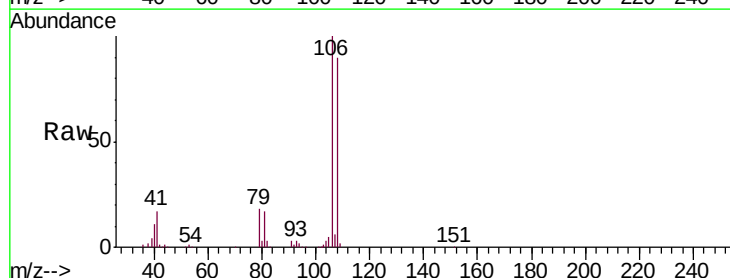
Tgt Ion: 108 Resp: 401020

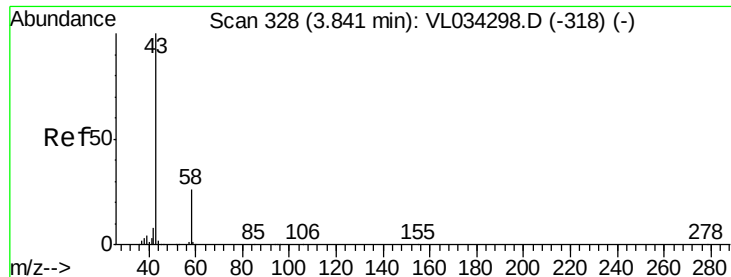
Ion Ratio Lower Upper

108 100

106 108.3 84.8 127.2

79 20.7 17.0 25.4





#15

Acetone

Concen: 7.974 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.00 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

ClientSampleId :

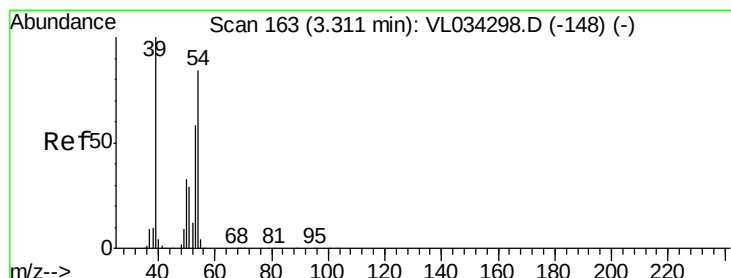
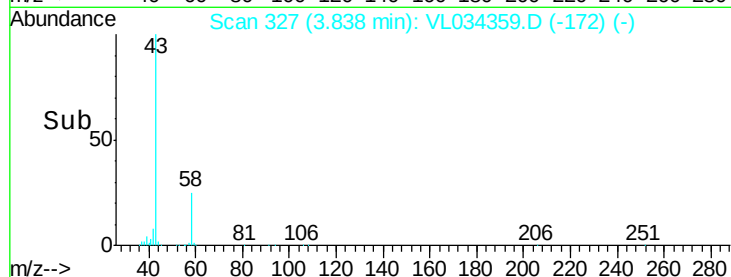
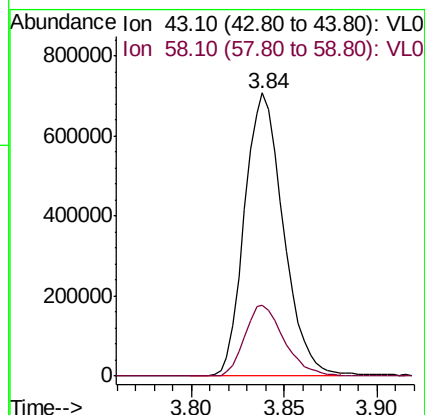
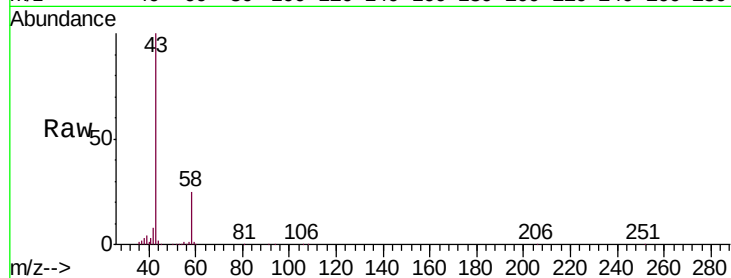
VSTDCCC010

Tgt Ion: 43 Resp: 1026872

Ion Ratio Lower Upper

43 100

58 25.6 20.4 30.6



#16

1,3-Butadiene

Concen: 9.861 ppbv

RT: 3.31 min Scan# 162

Delta R.T. -0.00 min

Lab File: VL034359.D

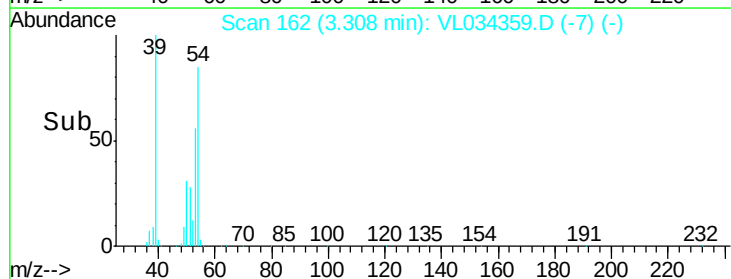
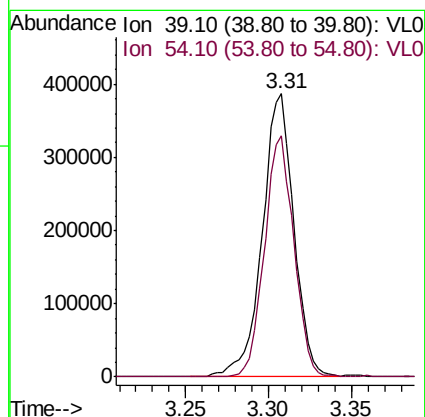
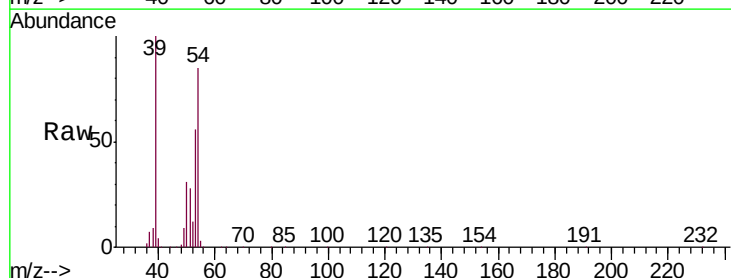
Acq: 25 Oct 2019 10:14

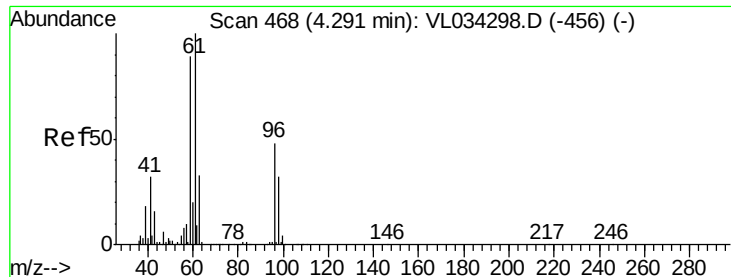
Tgt Ion: 39 Resp: 515981

Ion Ratio Lower Upper

39 100

54 79.6 63.9 95.9



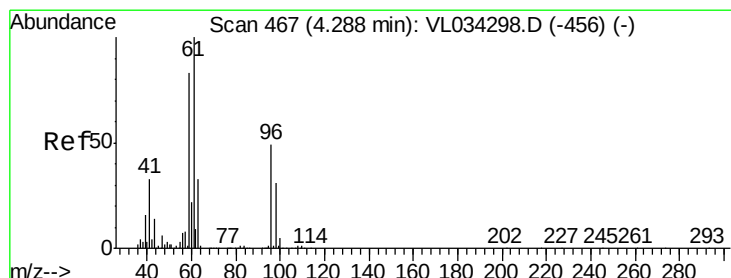
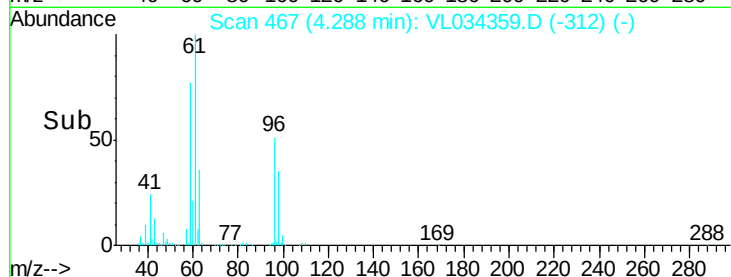
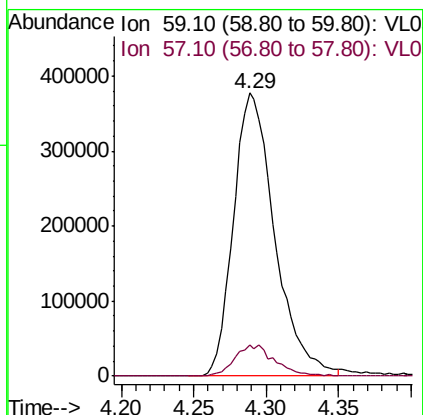
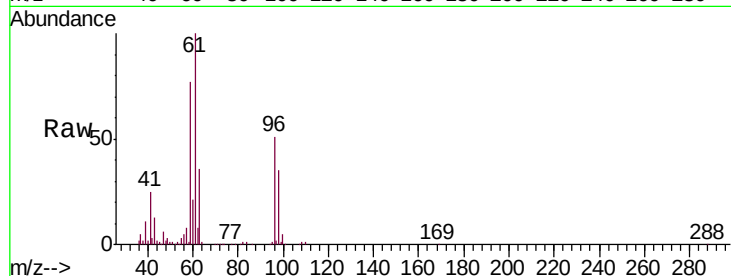


#17

tert-Butyl alcohol
Concen: 9.088 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.00 min
Lab File: VL034359.D
Acq: 25 Oct 2019 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

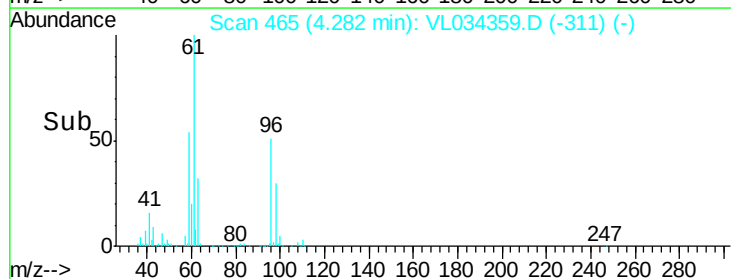
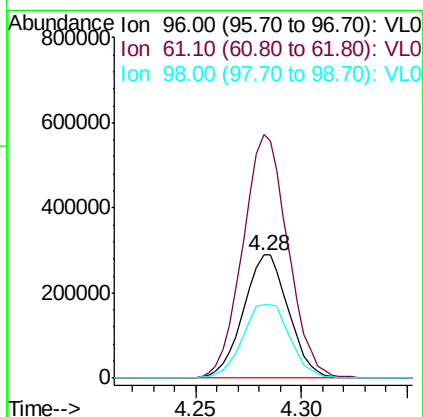
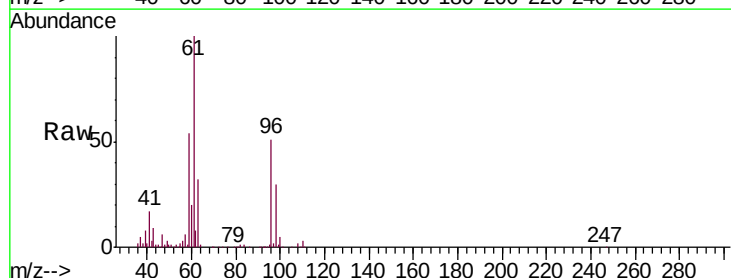
Tgt Ion: 59 Resp: 746924
Ion Ratio Lower Upper
59 100
57 10.9 8.8 13.2

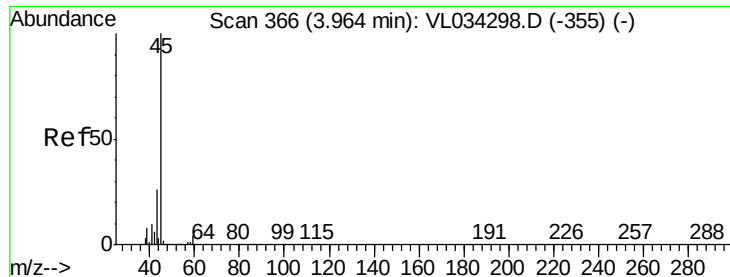


#18

1,1-Dichloroethene
Concen: 10.158 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.01 min
Lab File: VL034359.D
Acq: 25 Oct 2019 10:14

Tgt Ion: 96 Resp: 429383
Ion Ratio Lower Upper
96 100
61 197.6 164.5 246.7
98 59.5 51.7 77.5





#19

Isopropyl Alcohol

Concen: 8.165 ppbv

RT: 3.96 min Scan# 365

Delta R.T. -0.00 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

ClientSampleId :

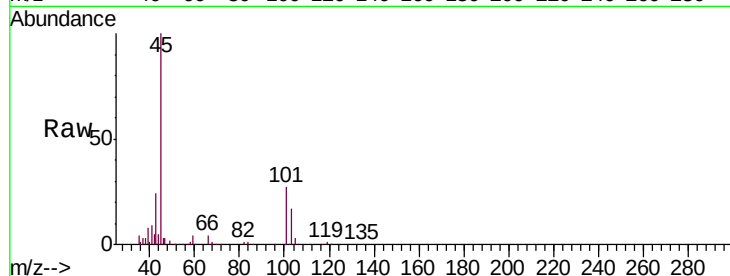
VSTDCCC010

Tgt Ion: 45 Resp: 586589

Ion Ratio Lower Upper

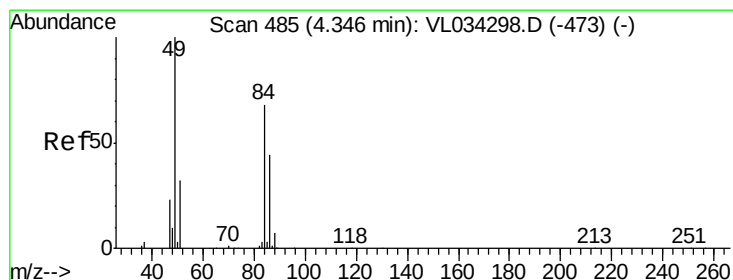
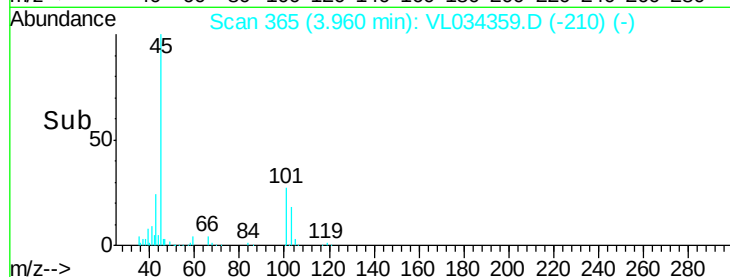
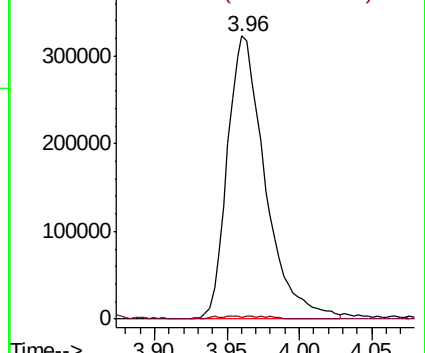
45 100

58 1.9 1.4 2.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.170 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Tgt Ion: 84 Resp: 380337

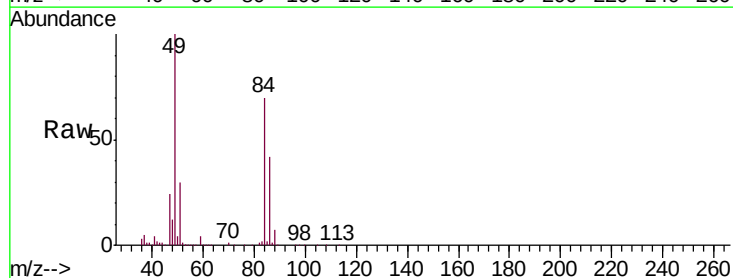
Ion Ratio Lower Upper

84 100

49 142.7 118.5 177.7

51 41.2 38.8 58.2

86 60.3 51.7 77.5

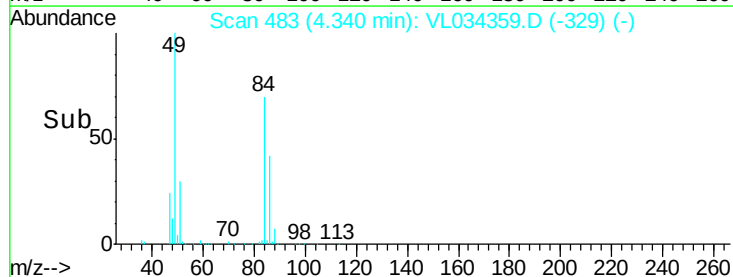
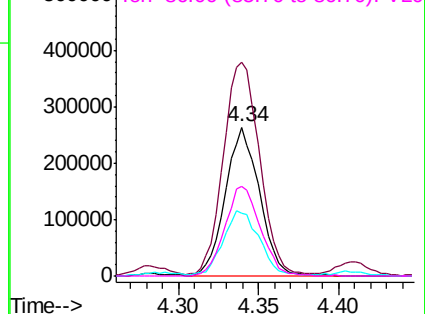


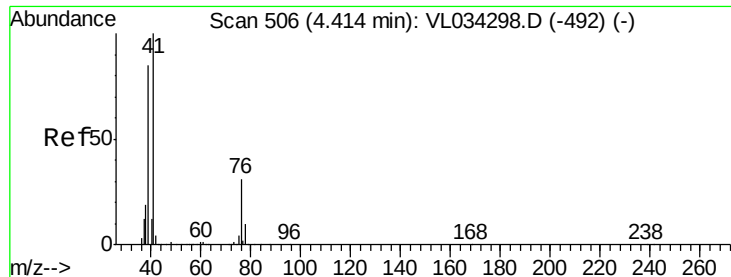
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

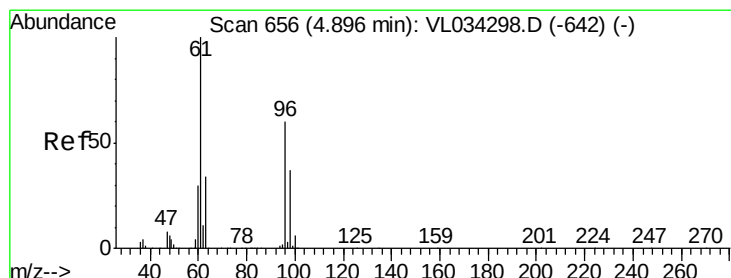
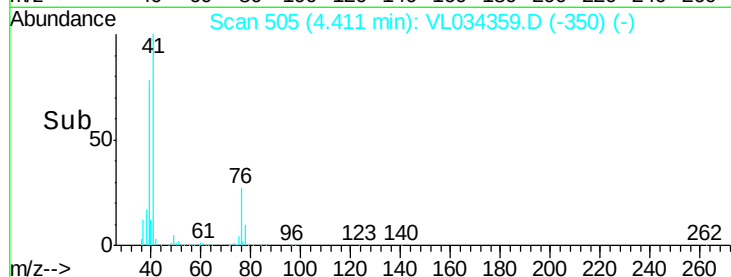
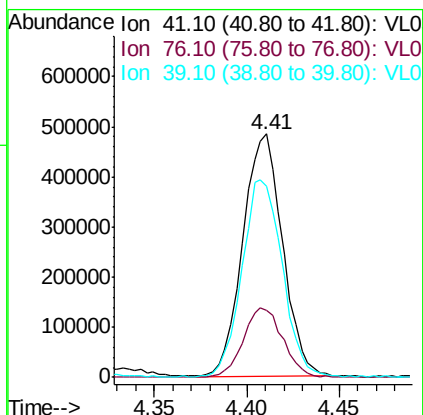
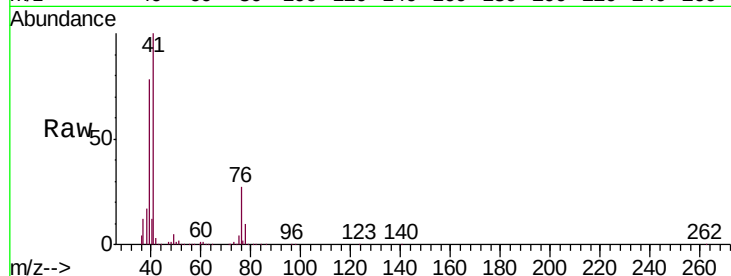




#21
 Allyl Chloride
 Concen: 10.128 ppbv
 RT: 4.41 min Scan# 505
 Delta R.T. -0.00 min
 Lab File: VL034359.D
 Acq: 25 Oct 2019 10:14

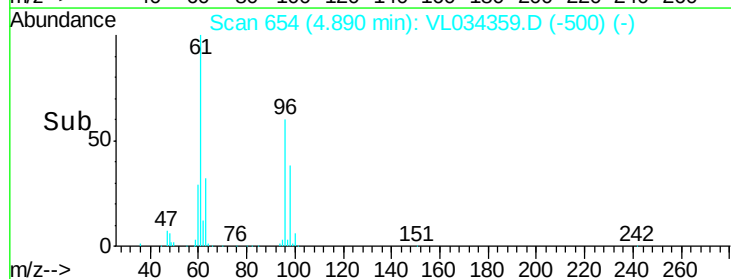
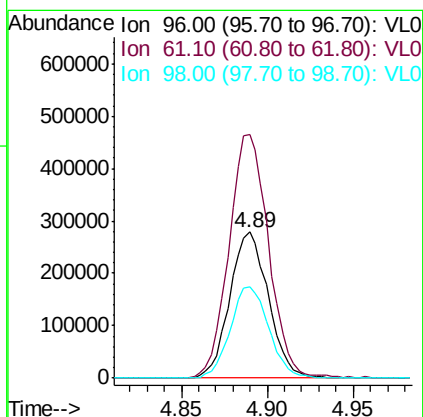
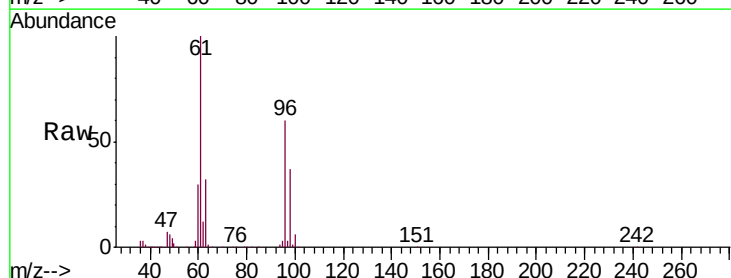
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

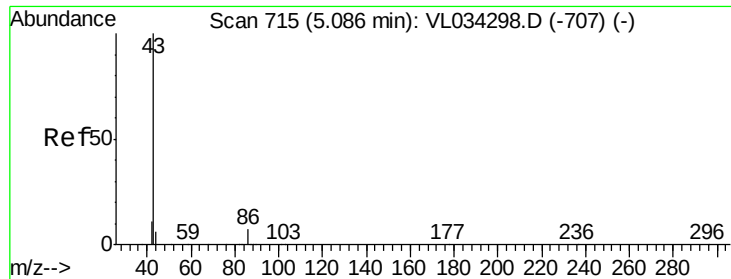
Tgt Ion: 41 Resp: 721033
 Ion Ratio Lower Upper
 41 100
 76 28.7 22.8 34.2
 39 83.8 66.0 99.0



#22
 trans-1,2-Dichloroethene
 Concen: 10.397 ppbv
 RT: 4.89 min Scan# 654
 Delta R.T. -0.01 min
 Lab File: VL034359.D
 Acq: 25 Oct 2019 10:14

Tgt Ion: 96 Resp: 438378
 Ion Ratio Lower Upper
 96 100
 61 166.4 133.8 200.6
 98 62.1 49.4 74.0





#23

Vinyl Acetate

Concen: 9.699 ppbv

RT: 5.08 min Scan# 714

Delta R.T. -0.00 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

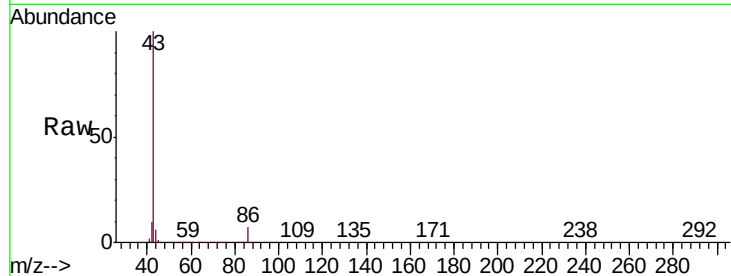
MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 1559814

Ion	Ratio	Lower	Upper
43	100		
86	7.5	5.0	7.4#
42	9.9	8.6	13.0
44	5.8	4.8	7.2

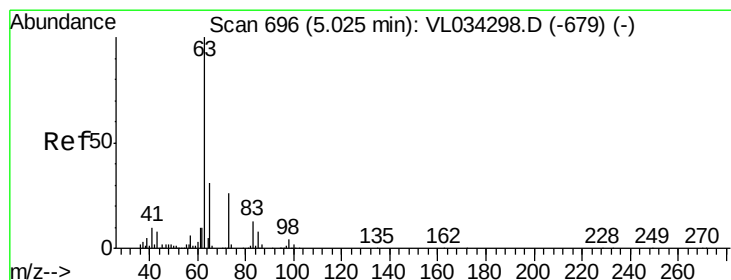
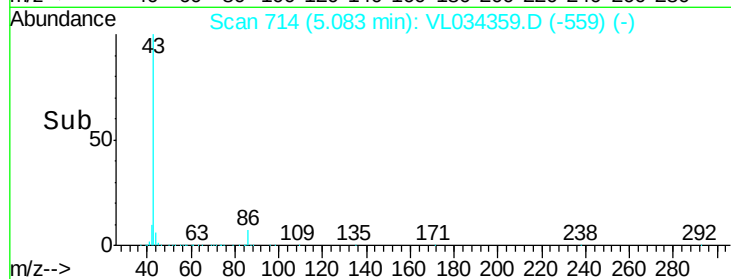
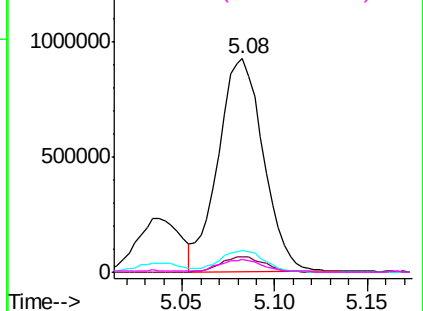


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.464 ppbv

RT: 5.02 min Scan# 694

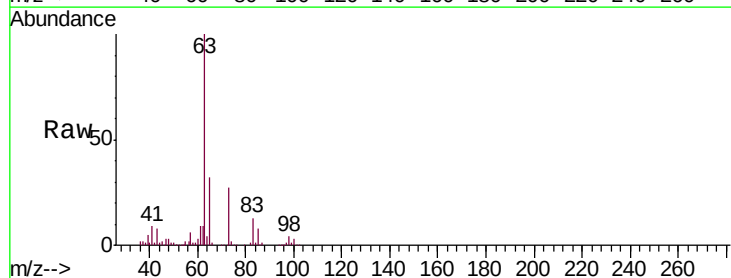
Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Tgt Ion: 63 Resp: 1129613

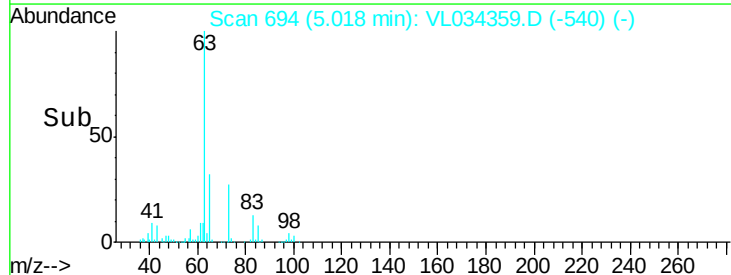
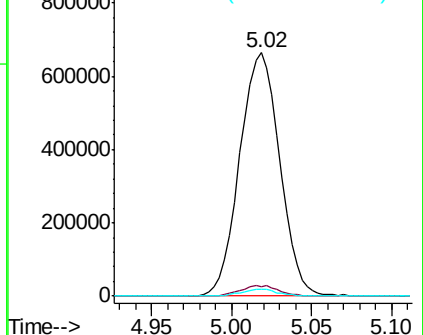
Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.0	6.0
100	2.6	1.1	3.5

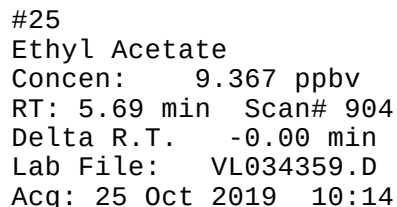


Abundance Ion 63.10 (62.80 to 63.80): VL0

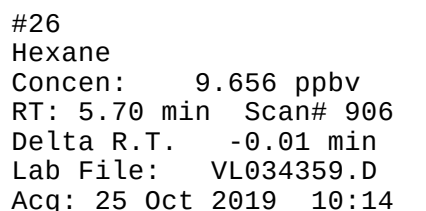
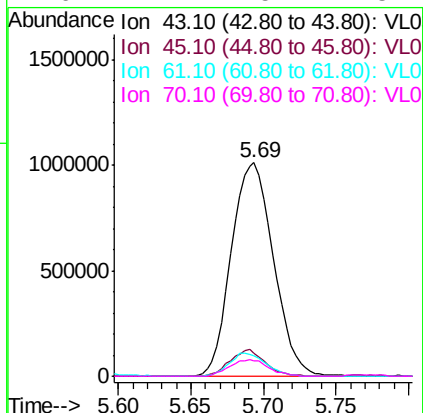
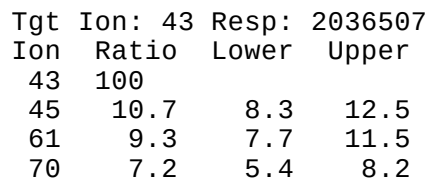
Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

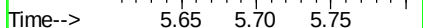
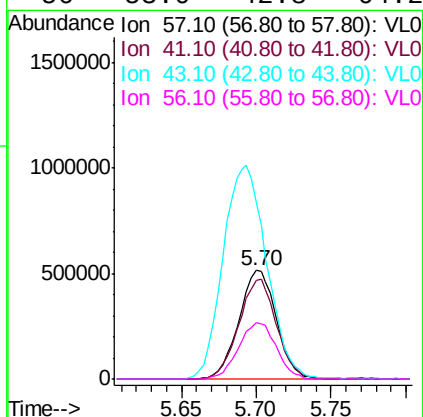


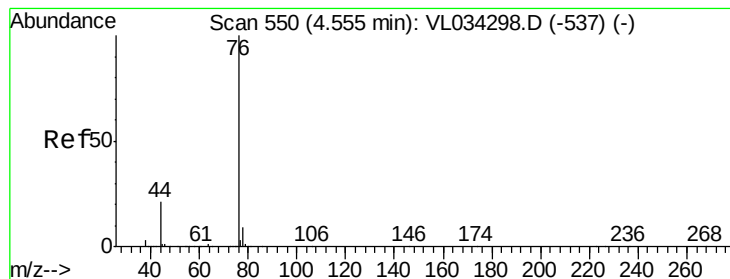


Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt	Ion: 57	Resp:	894776
Ion	Ratio	Lower	Upper
57	100		
41	93.9	76.5	114.7
43	229.2	188.5	282.7
56	53.0	42.8	64.2





#27

Carbon Disulfide

Concen: 11.142 ppbv

RT: 4.55 min Scan# 548

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

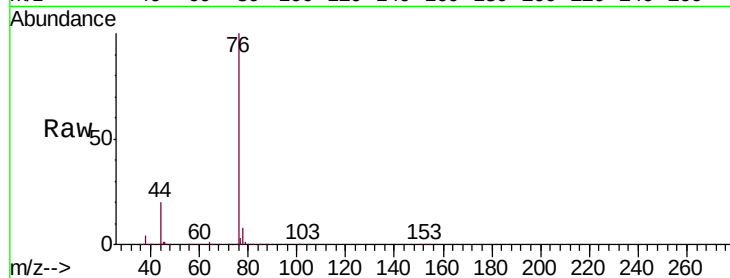
Tgt Ion: 76 Resp: 1071913

Ion Ratio Lower Upper

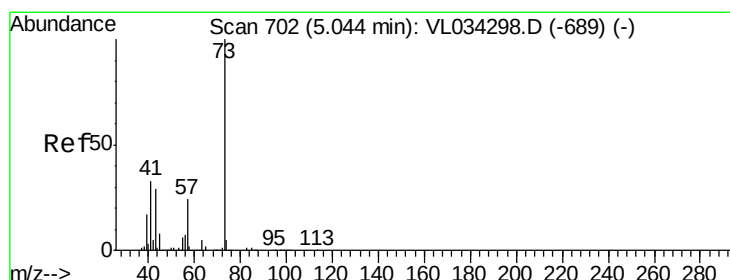
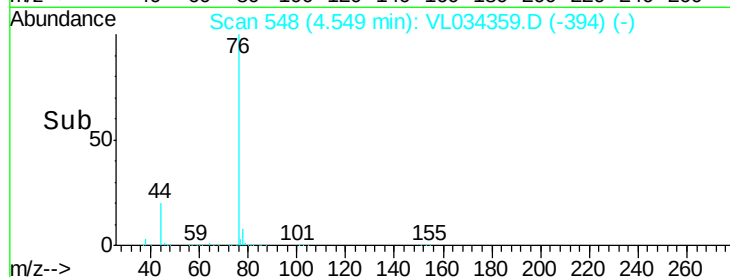
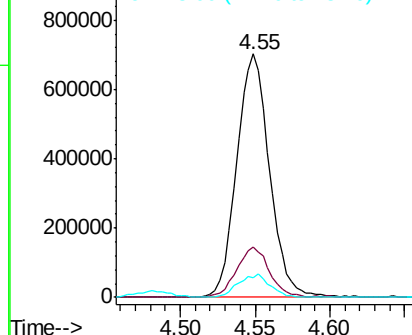
76 100

44 20.5 17.3 25.9

78 9.2 7.8 11.6



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



#28

Methyl tert-Butyl Ether

Concen: 10.925 ppbv

RT: 5.04 min Scan# 700

Delta R.T. -0.01 min

Lab File: VL034359.D

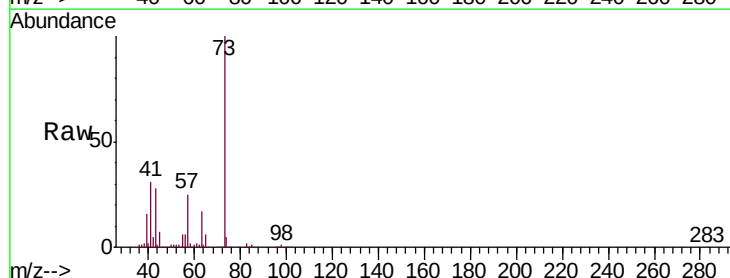
Acq: 25 Oct 2019 10:14

Tgt Ion: 73 Resp: 1532138

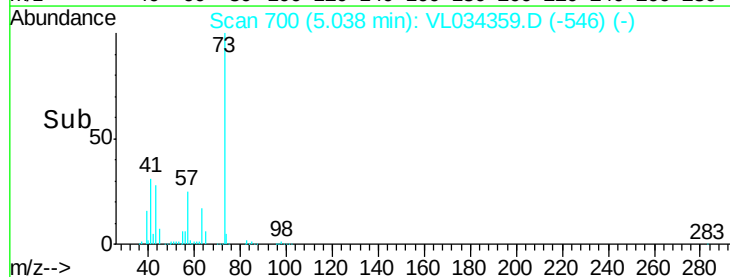
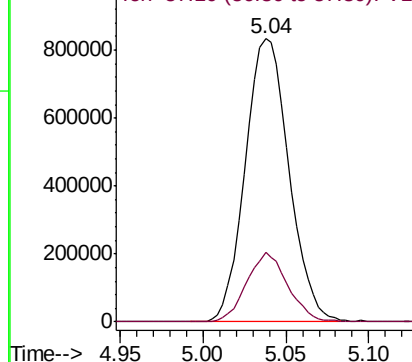
Ion Ratio Lower Upper

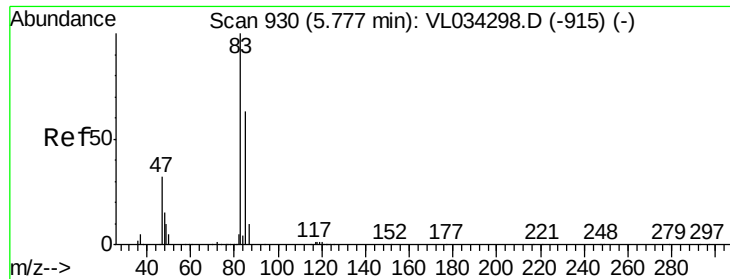
73 100

57 23.3 19.2 28.8



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

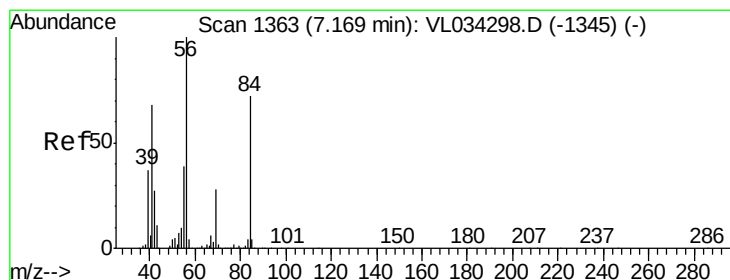
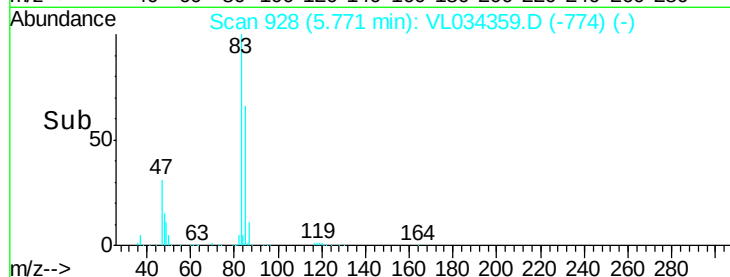
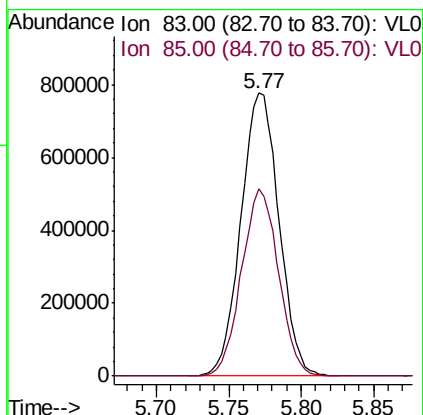
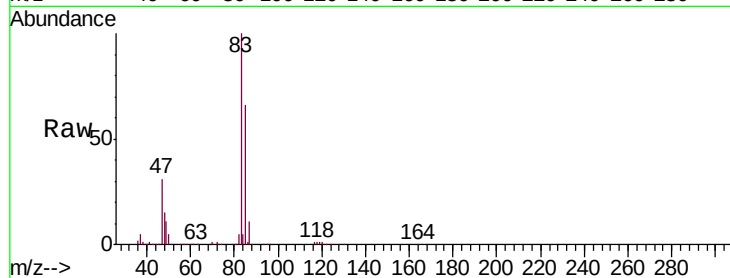




#29
Chloroform
Concen: 9.672 ppbv
RT: 5.77 min Scan# 928
Delta R.T. -0.01 min
Lab File: VL034359.D
Acq: 25 Oct 2019 10:14

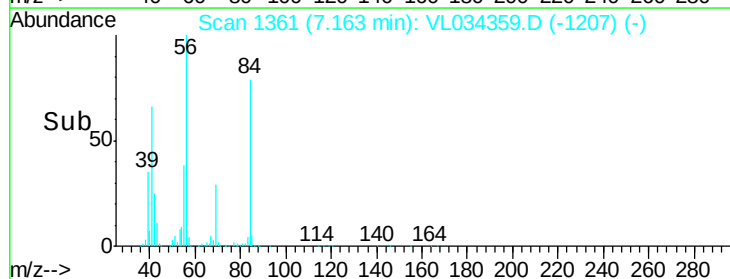
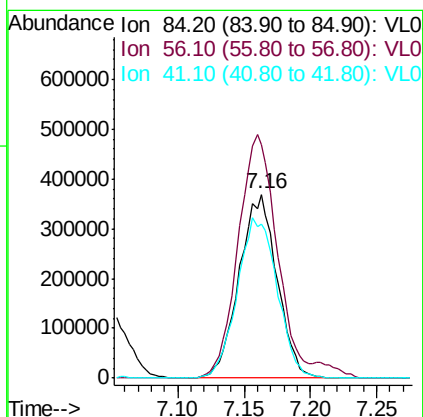
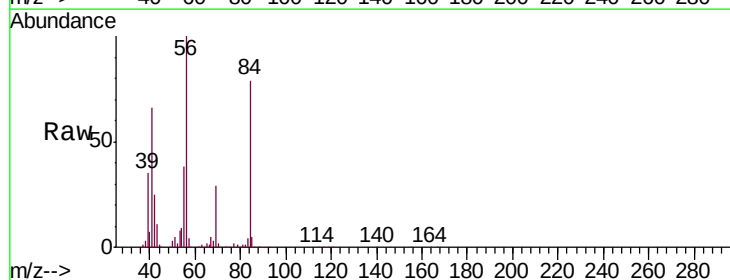
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

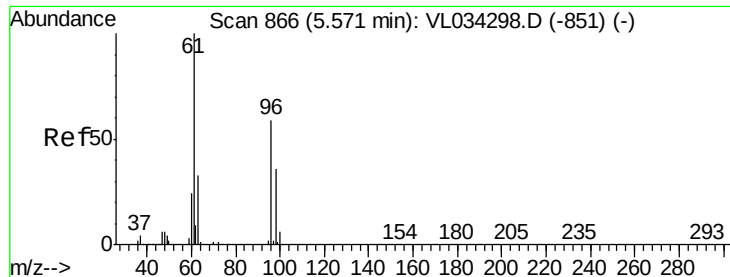
Tgt Ion: 83 Resp: 1417806
Ion Ratio Lower Upper
83 100
85 66.0 50.5 75.7



#30
Cyclohexane
Concen: 10.720 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. -0.01 min
Lab File: VL034359.D
Acq: 25 Oct 2019 10:14

Tgt Ion: 84 Resp: 730600
Ion Ratio Lower Upper
84 100
56 141.9 119.4 179.0
41 92.0 78.7 118.1



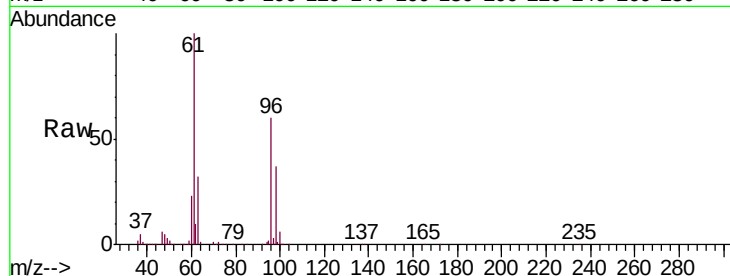


#31

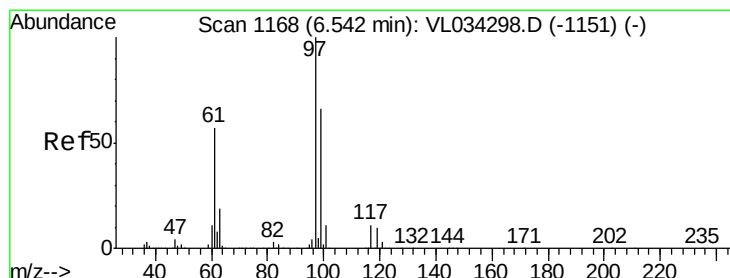
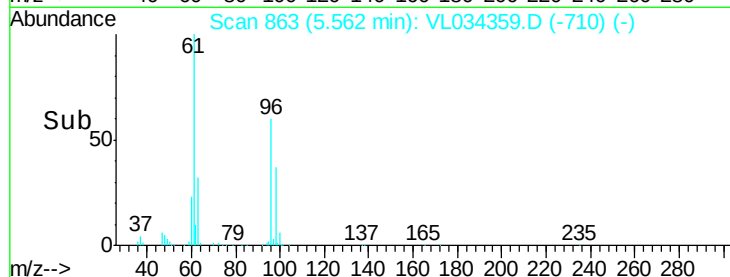
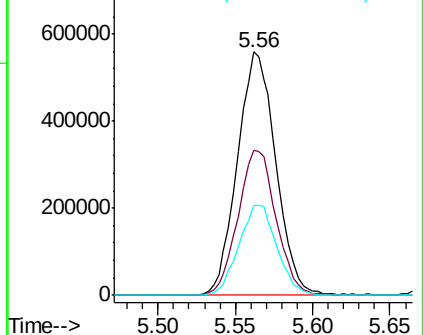
cis-1,2-Dichloroethene
 Concen: 10.251 ppbv
 RT: 5.56 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VL034359.D
 Acq: 25 Oct 2019 10:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
61	100		
96	59.8	47.5	71.3
98	36.9	28.8	43.2



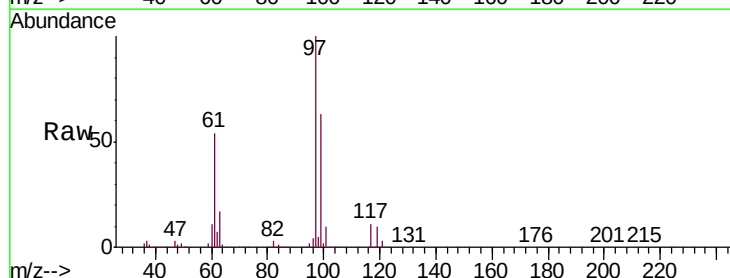
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



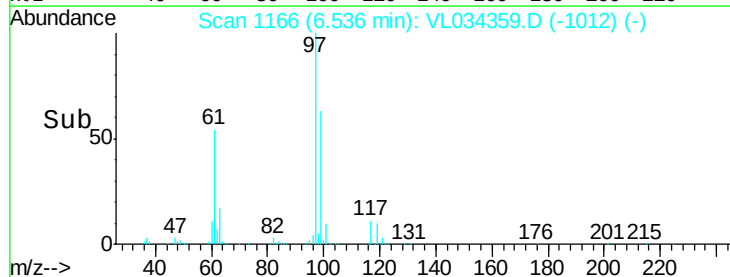
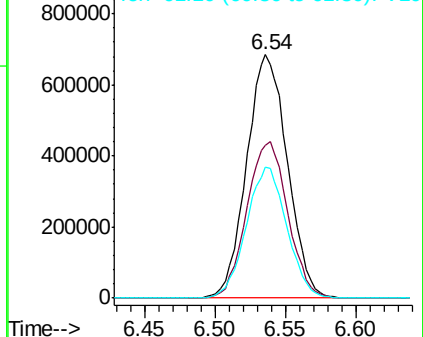
#32

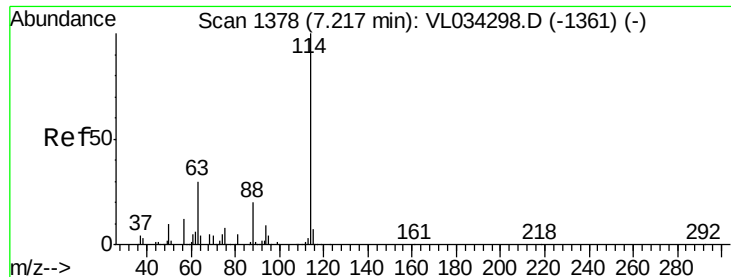
1,1,1-Trichloroethane
 Concen: 9.724 ppbv
 RT: 6.54 min Scan# 1166
 Delta R.T. -0.01 min
 Lab File: VL034359.D
 Acq: 25 Oct 2019 10:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.6	78.8
61	53.6	44.5	66.7



Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0
 Ion 61.10 (60.80 to 61.80): VL0

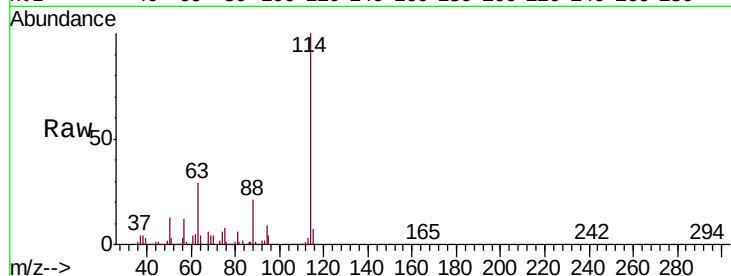




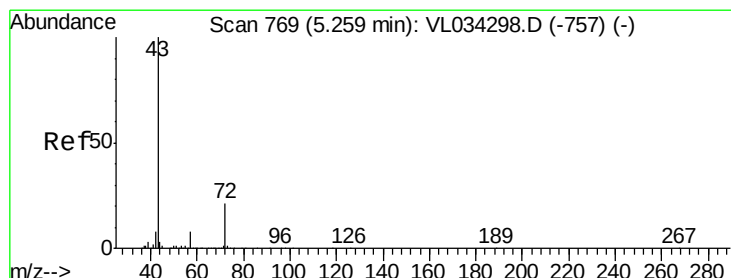
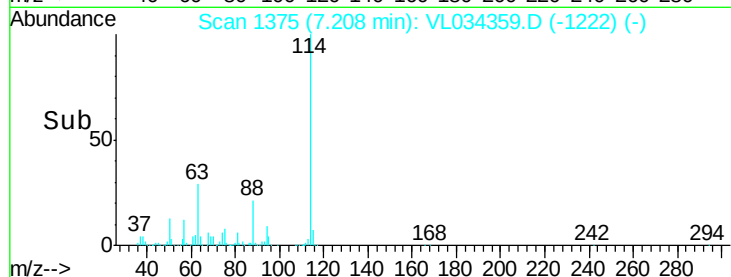
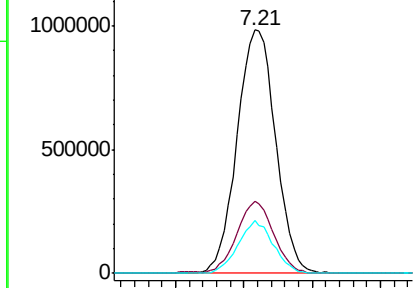
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VL034359.D
 Acq: 25 Oct 2019 10:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:114 Resp: 1928239
 Ion Ratio Lower Upper
 114 100
 63 28.8 25.2 37.8
 88 19.7 16.0 24.0

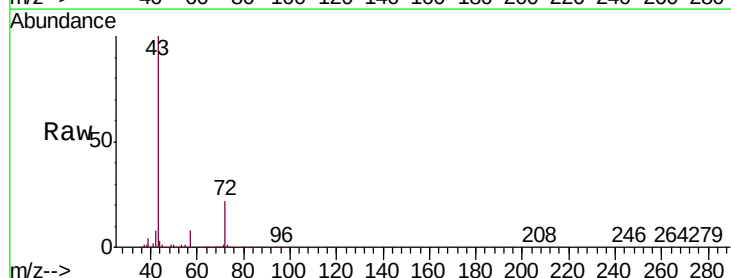


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

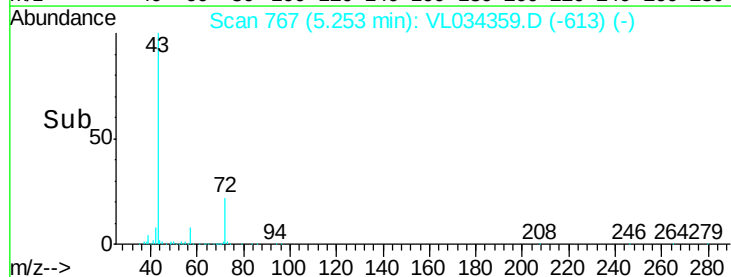
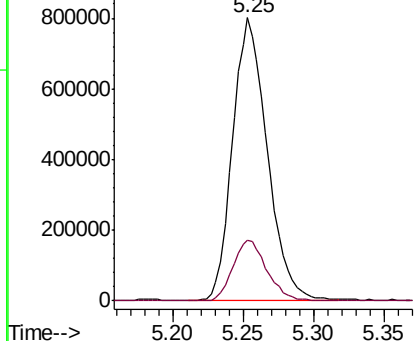


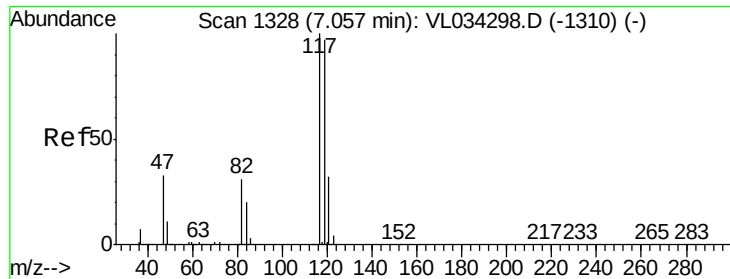
#34
 2-Butanone
 Concen: 8.720 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. -0.01 min
 Lab File: VL034359.D
 Acq: 25 Oct 2019 10:14

Tgt Ion: 43 Resp: 1374300
 Ion Ratio Lower Upper
 43 100
 72 21.2 16.3 24.5



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





#35

Carbon Tetrachloride

Concen: 8.185 ppbv

RT: 7.05 min Scan# 1325

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

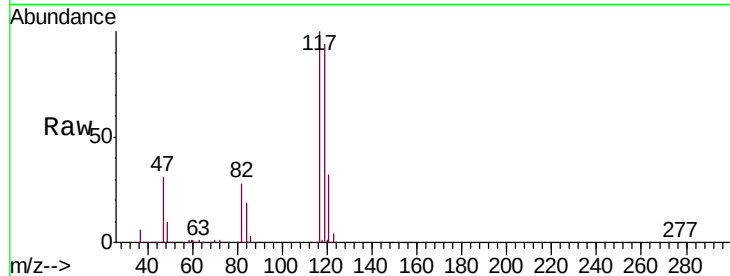
Tgt Ion:117 Resp: 1374695

Ion Ratio Lower Upper

117 100

119 94.1 77.3 115.9

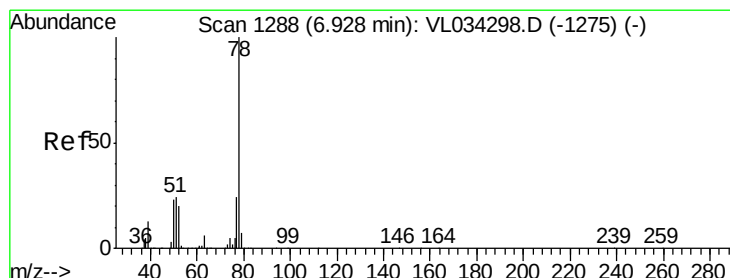
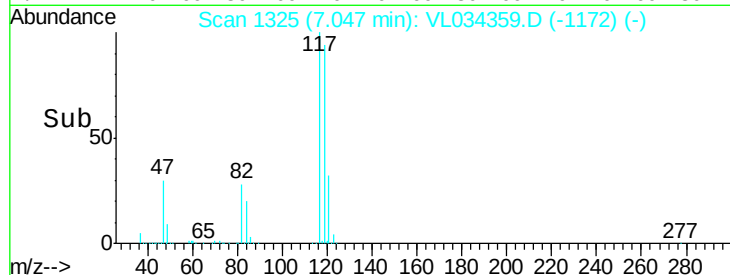
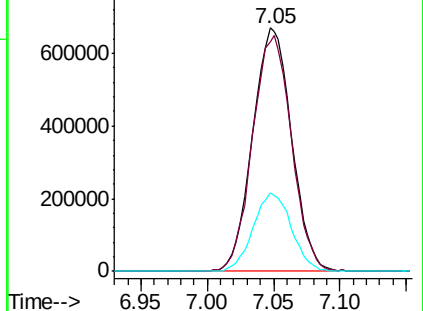
121 32.2 25.5 38.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.459 ppbv

RT: 6.92 min Scan# 1285

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

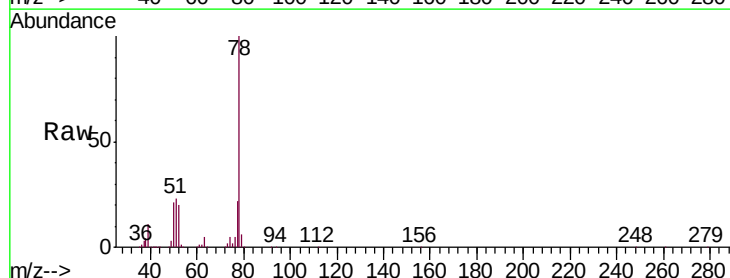
Tgt Ion: 78 Resp: 1750074

Ion Ratio Lower Upper

78 100

77 21.7 19.0 28.4

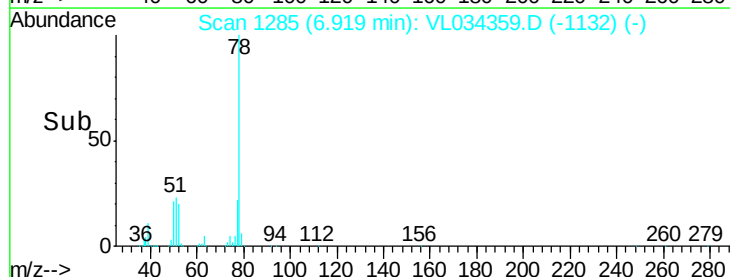
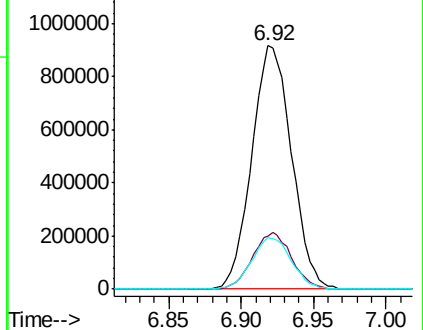
50 21.4 18.6 27.8

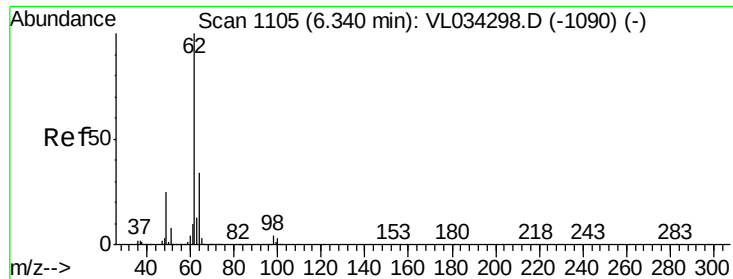


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

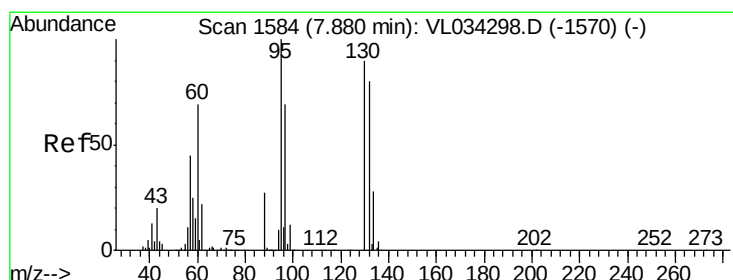
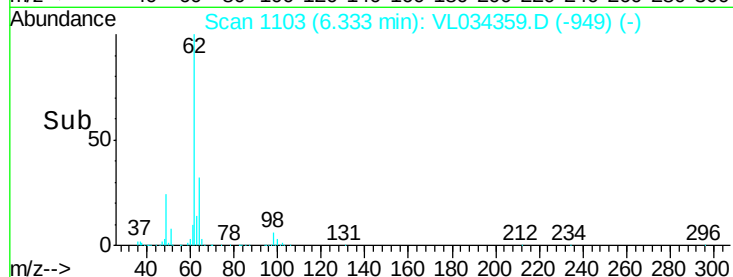
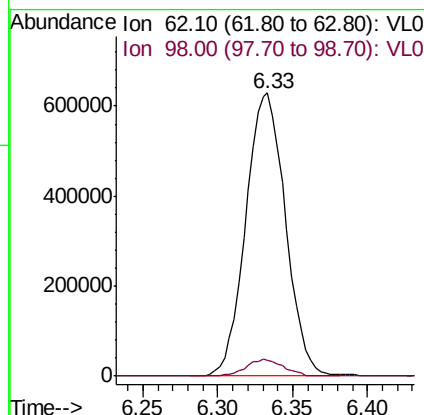
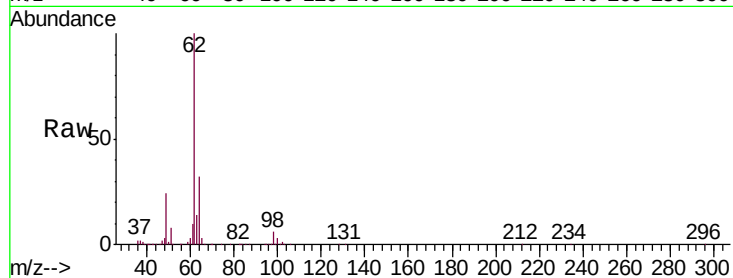




#37
 1,2-Dichloroethane
 Concen: 8.434 ppbv
 RT: 6.33 min Scan# 1103
 Delta R.T. -0.01 min
 Lab File: VL034359.D
 Acq: 25 Oct 2019 10:14

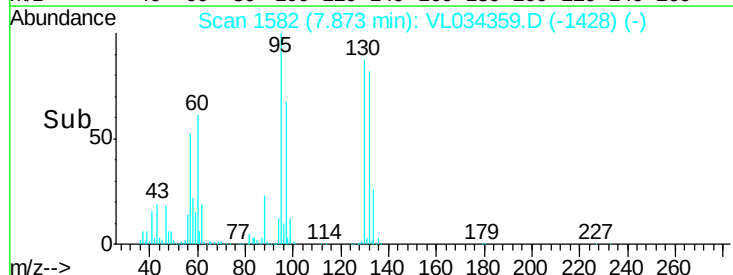
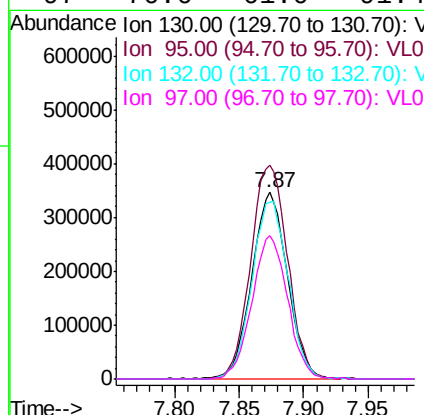
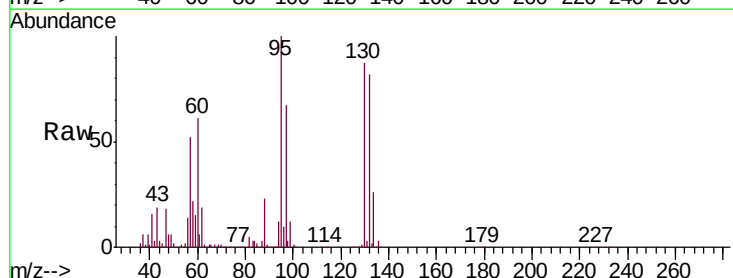
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

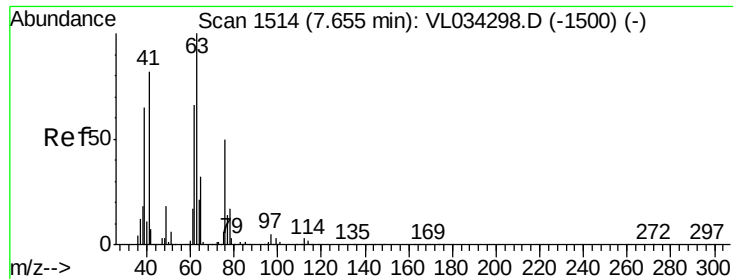
Tgt Ion: 62 Resp: 1162885
 Ion Ratio Lower Upper
 62 100
 98 5.7 3.8 5.6#



#38
 Trichloroethene
 Concen: 8.971 ppbv
 RT: 7.87 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: VL034359.D
 Acq: 25 Oct 2019 10:14

Tgt Ion: 130 Resp: 666015
 Ion Ratio Lower Upper
 130 100
 95 114.6 88.6 132.8
 132 94.3 71.2 106.8
 97 76.6 61.0 91.4

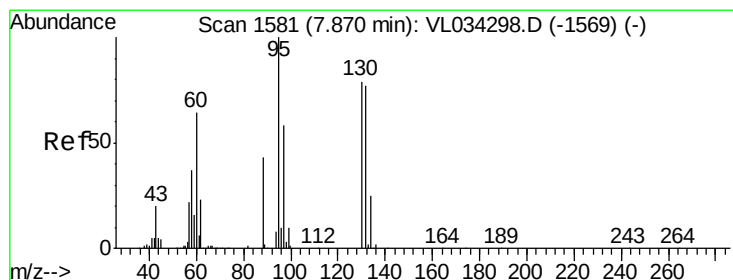
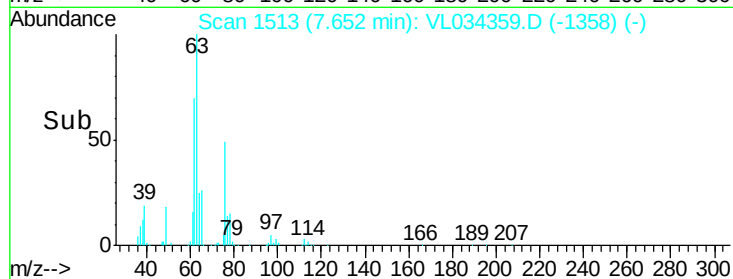
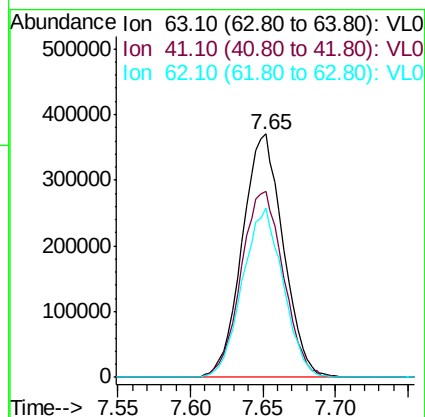
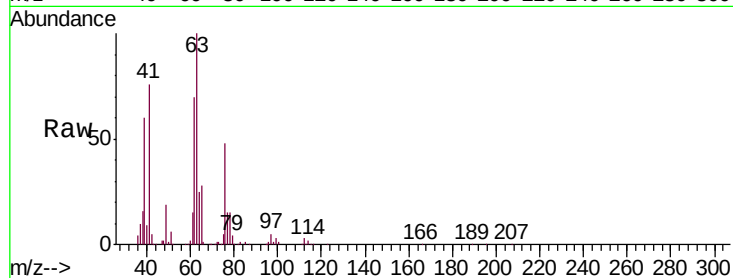




#39
 1,2-Dichloropropane
 Concen: 9.135 ppbv
 RT: 7.65 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VL034359.D
 Acq: 25 Oct 2019 10:14

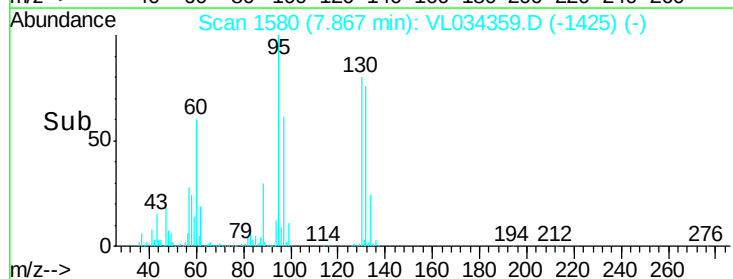
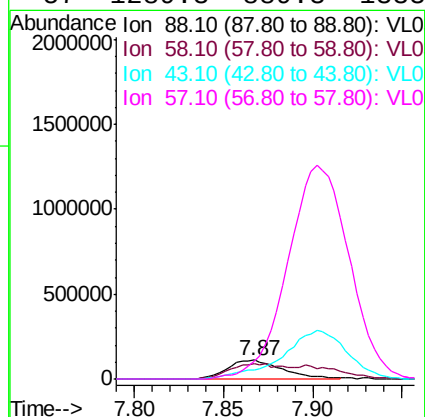
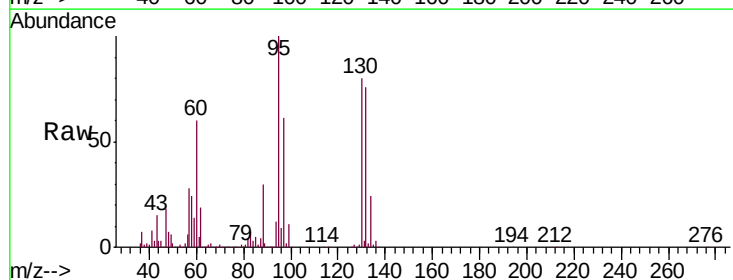
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

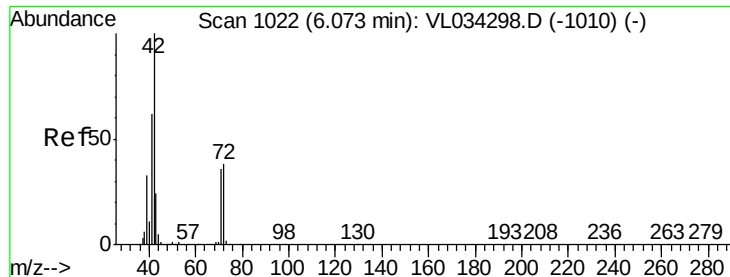
Tgt Ion: 63 Resp: 727702
 Ion Ratio Lower Upper
 63 100
 41 76.1 65.6 98.4
 62 69.4 53.0 79.6



#40
 1,4-Dioxane
 Concen: 8.374 ppbv
 RT: 7.87 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: VL034359.D
 Acq: 25 Oct 2019 10:14

Tgt Ion: 88 Resp: 234431
 Ion Ratio Lower Upper
 88 100
 58 141.6 110.3 165.5
 43 309.7 228.1 342.1
 57 1289.3 889.3 1333.9





#41

Tetrahydrofuran

Concen: 9.253 ppbv

RT: 6.06 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

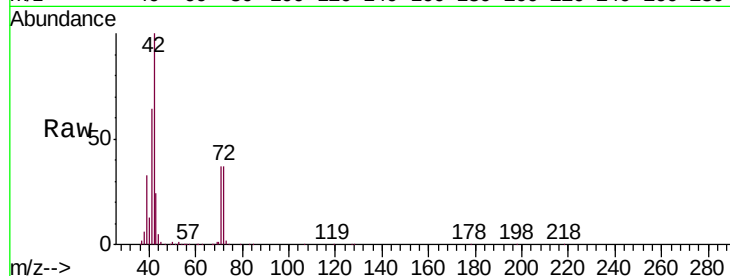
Tgt Ion: 42 Resp: 809324

Ion Ratio Lower Upper

42 100

72 37.6 28.0 42.0

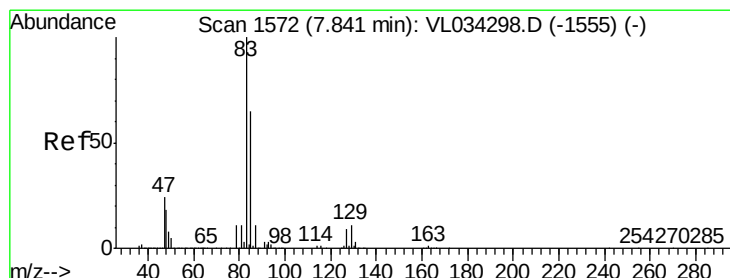
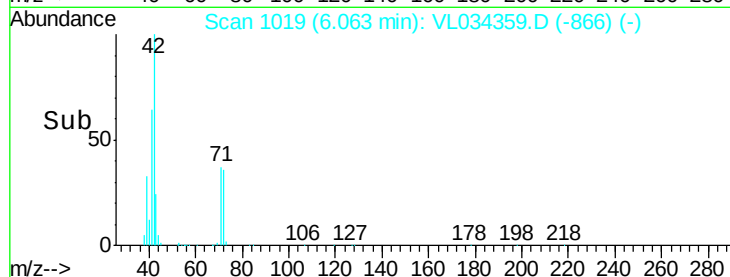
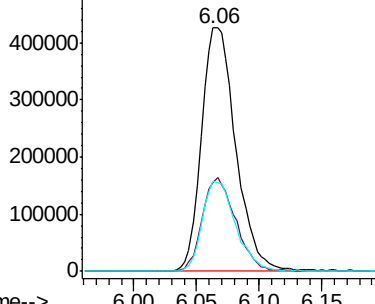
71 36.2 27.3 40.9



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: 9.188 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

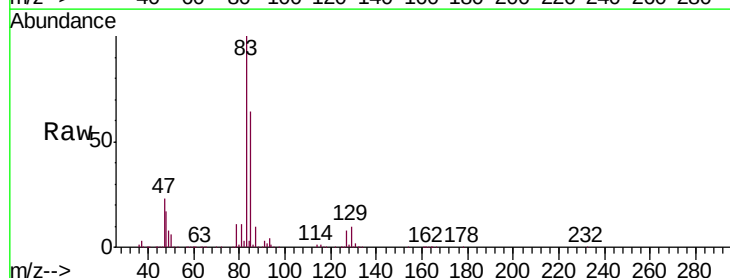
Tgt Ion: 83 Resp: 1551688

Ion Ratio Lower Upper

83 100

85 64.3 51.8 77.6

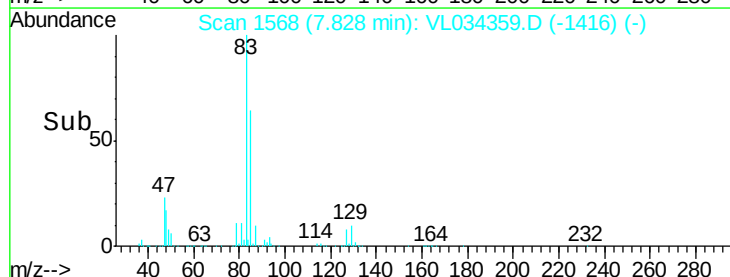
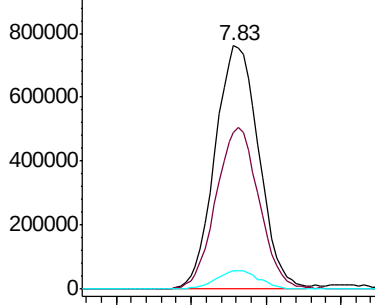
127 7.8 7.0 10.6

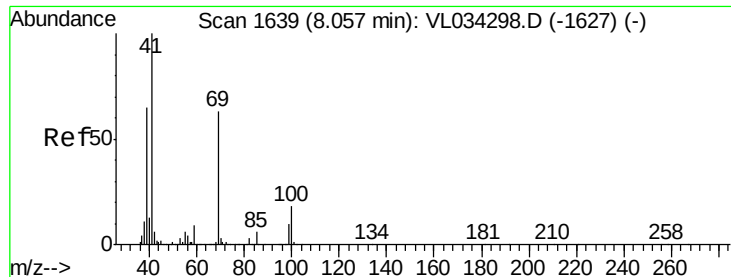


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

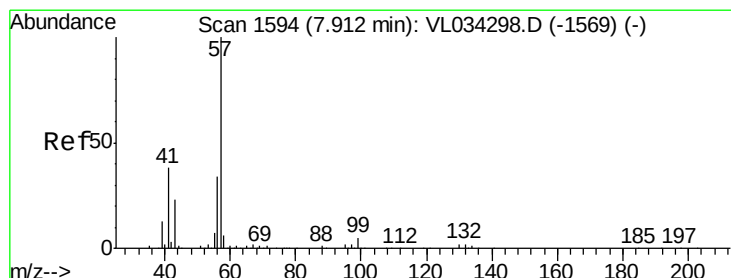
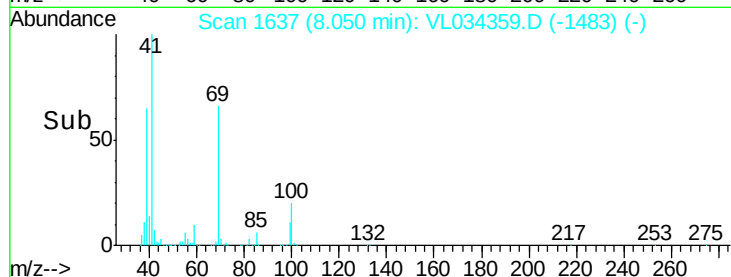
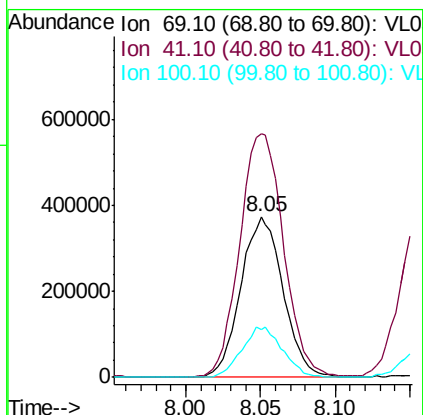
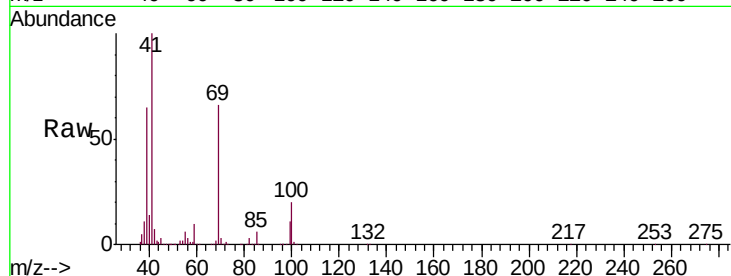




#43
Methyl Methacrylate
Concen: 9.610 ppbv
RT: 8.05 min Scan# 1637
Delta R.T. -0.01 min
Lab File: VL034359.D
Acq: 25 Oct 2019 10:14

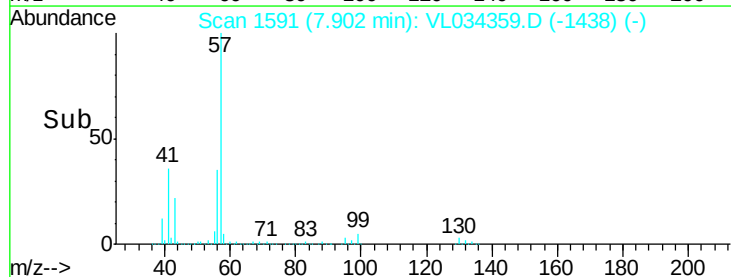
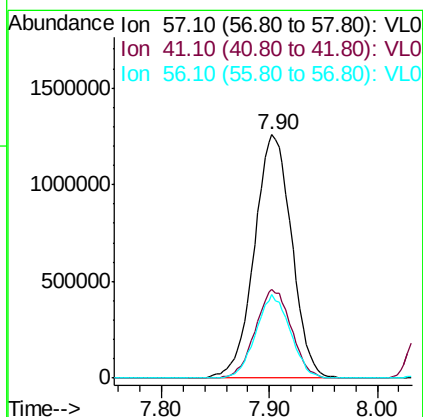
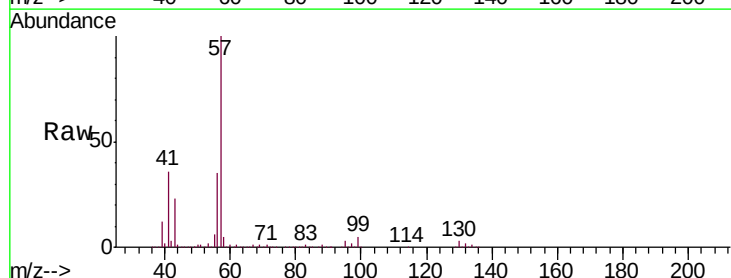
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

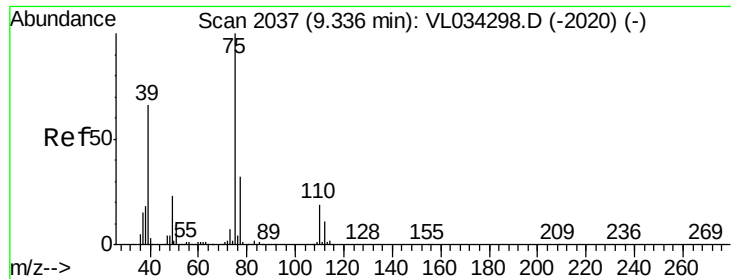
Tgt Ion: 69 Resp: 735361
Ion Ratio Lower Upper
69 100
41 156.9 132.1 198.1
100 30.2 23.2 34.8



#44
2,2,4-Trimethylpentane
Concen: 8.810 ppbv
RT: 7.90 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VL034359.D
Acq: 25 Oct 2019 10:14

Tgt Ion: 57 Resp: 3016764
Ion Ratio Lower Upper
57 100
41 35.0 29.3 43.9
56 31.7 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 10.495 ppbv

RT: 9.33 min Scan# 2034

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

ClientSampleId :

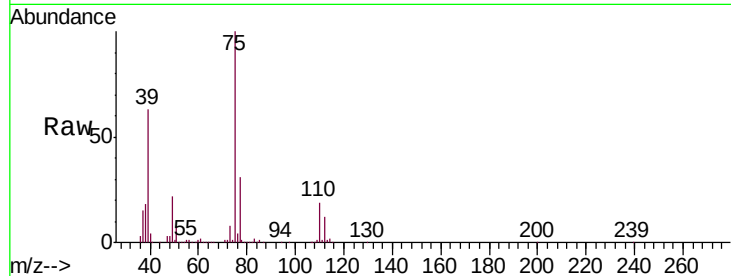
VSTDCCC010

Tgt Ion: 75 Resp: 978428

Ion Ratio Lower Upper

75 100

77 31.0 25.6 38.4



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.33

500000

400000

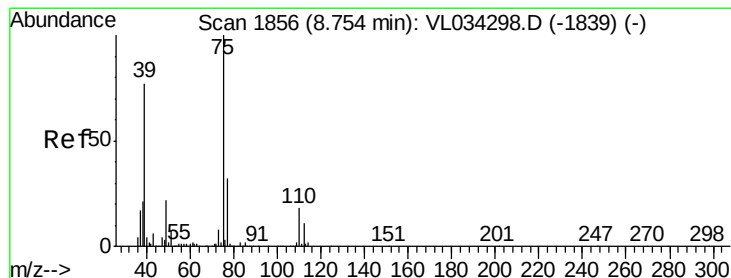
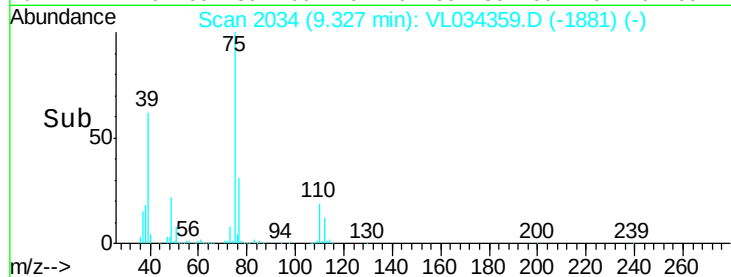
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 10.356 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

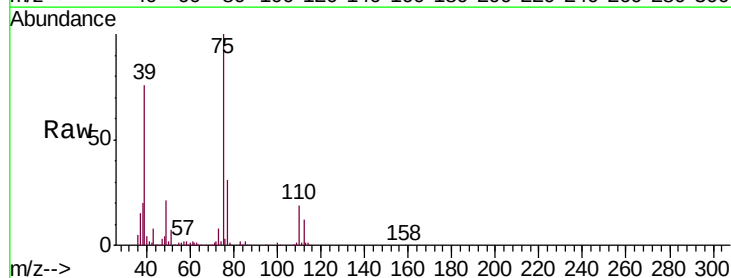
Tgt Ion: 75 Resp: 1109161

Ion Ratio Lower Upper

75 100

39 75.7 61.2 91.8

77 31.4 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

8.75

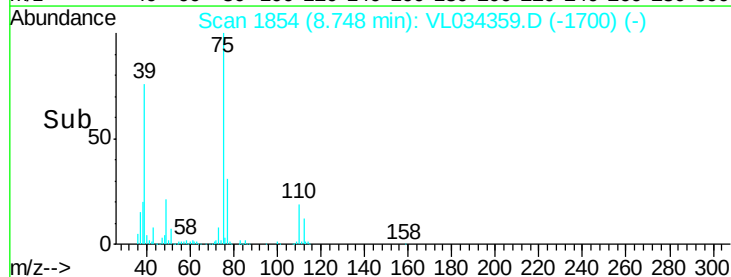
600000

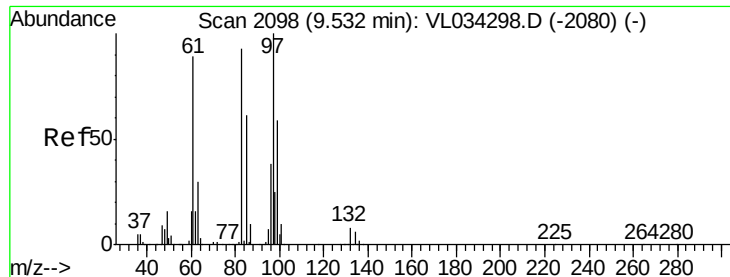
400000

200000

0

Time-->





#47

1,1,2-Trichloroethane

Concen: 8.943 ppbv

RT: 9.53 min Scan# 2096

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 721623

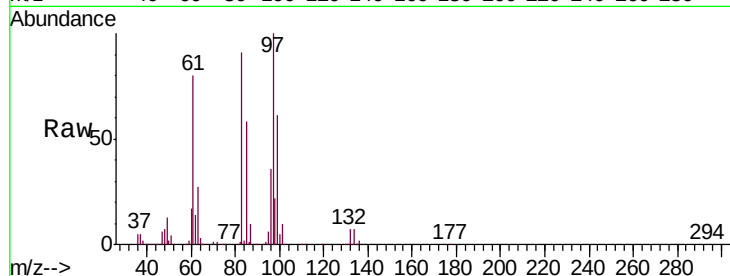
Ion Ratio Lower Upper

97 100

83 90.4 74.2 111.2

85 57.8 48.6 73.0

99 60.8 47.0 70.6

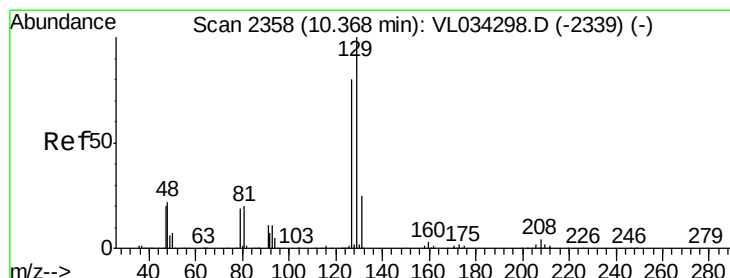
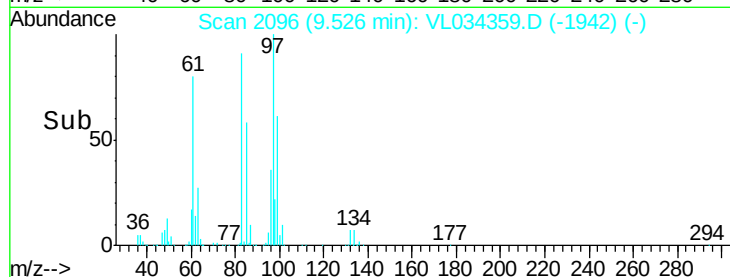
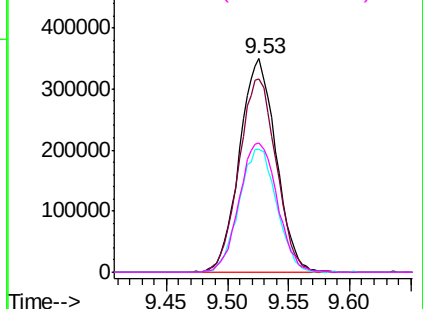


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 9.537 ppbv

RT: 10.36 min Scan# 2355

Delta R.T. -0.01 min

Lab File: VL034359.D

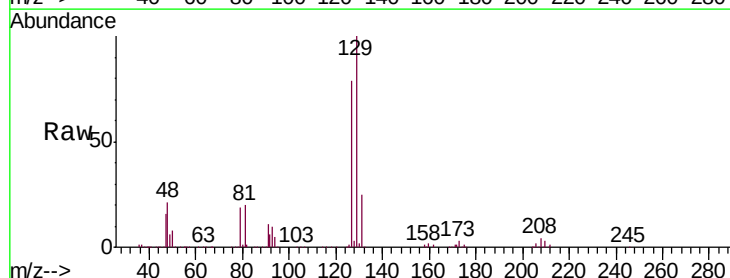
Acq: 25 Oct 2019 10:14

Tgt Ion: 129 Resp: 1262363

Ion Ratio Lower Upper

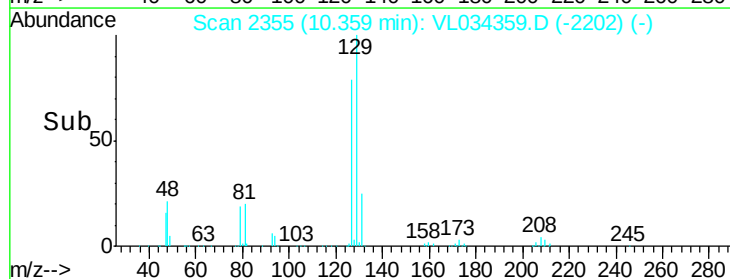
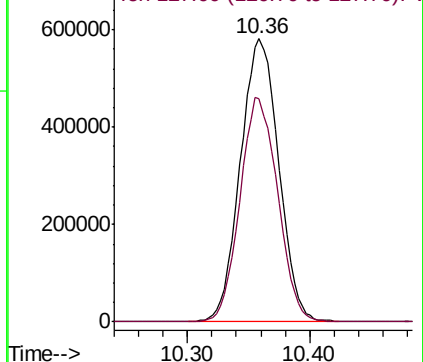
129 100

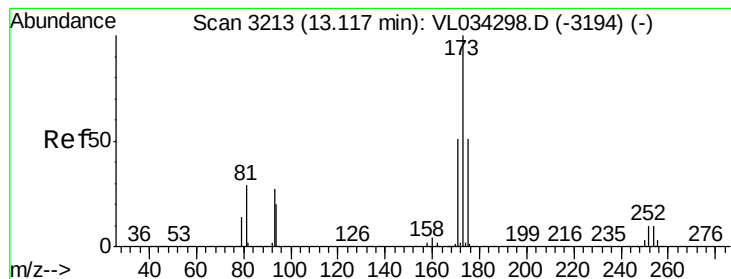
127 78.1 39.7 119.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.456 ppbv

RT: 13.11 min Scan# 3210

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

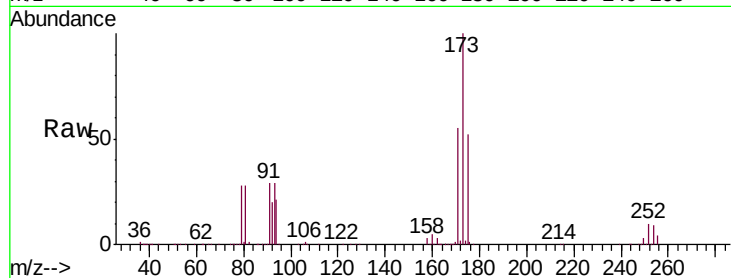
Tgt Ion:173 Resp: 1109134

Ion Ratio Lower Upper

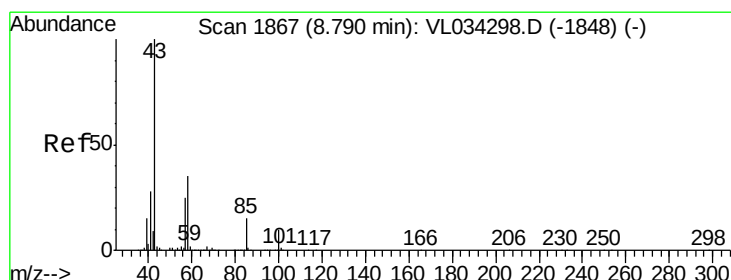
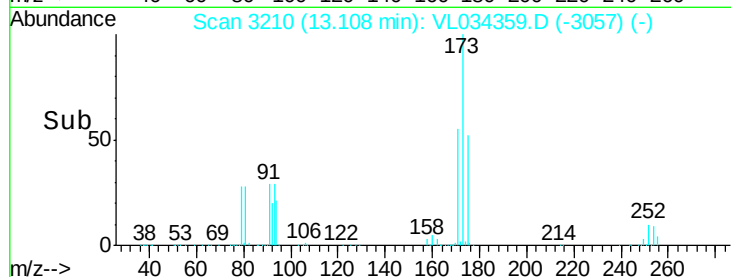
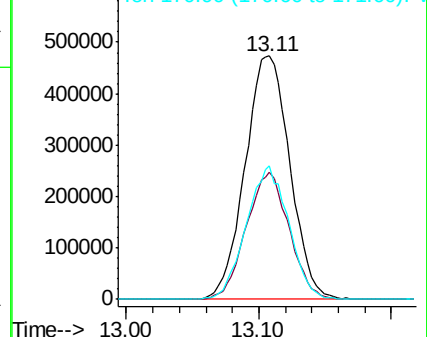
173 100

175 50.0 39.8 59.6

171 52.1 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: 9.060 ppbv

RT: 8.78 min Scan# 1863

Delta R.T. -0.01 min

Lab File: VL034359.D

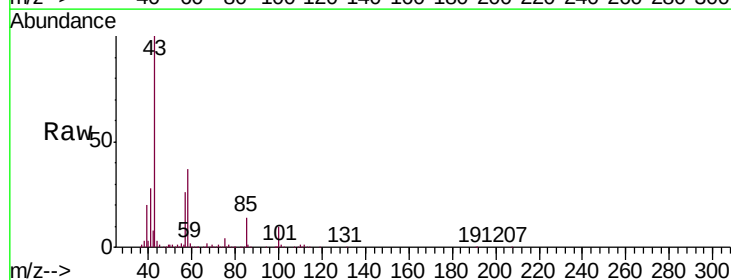
Acq: 25 Oct 2019 10:14

Tgt Ion: 43 Resp: 2044136

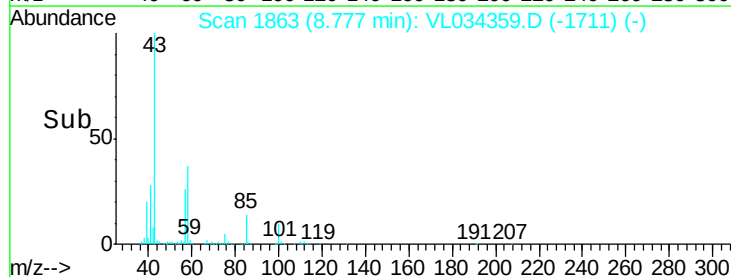
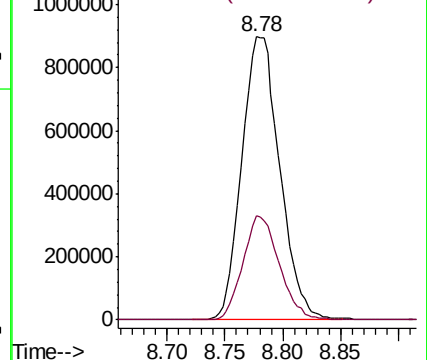
Ion Ratio Lower Upper

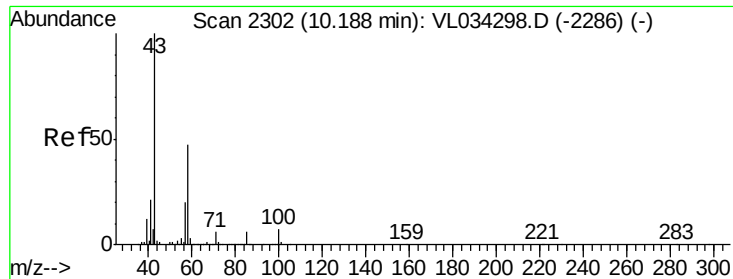
43 100

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

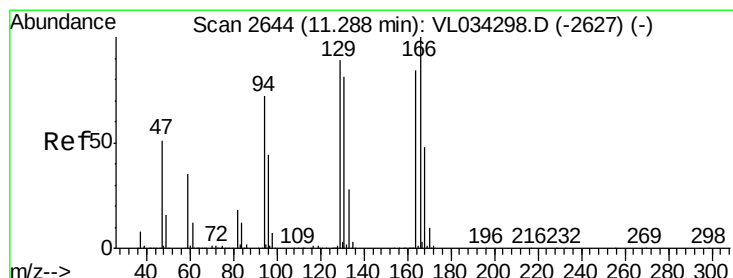
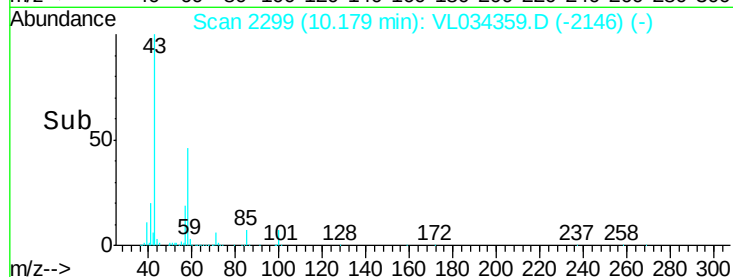
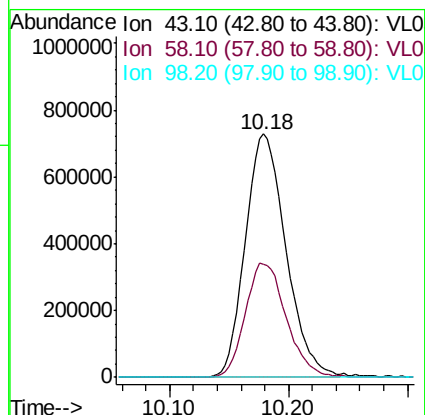
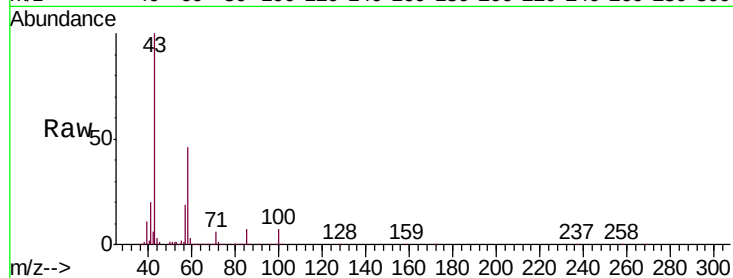




#51
2-Hexanone
Concen: 9.300 ppbv
RT: 10.18 min Scan# 2299
Delta R.T. -0.01 min
Lab File: VL034359.D
Acq: 25 Oct 2019 10:14

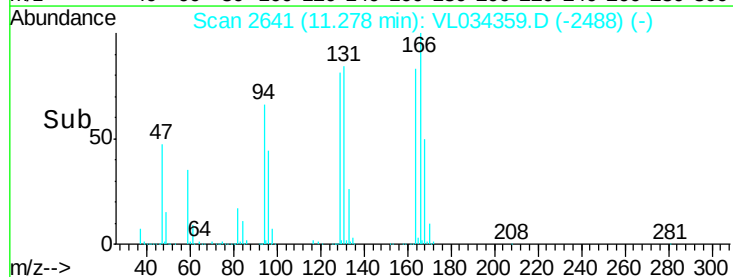
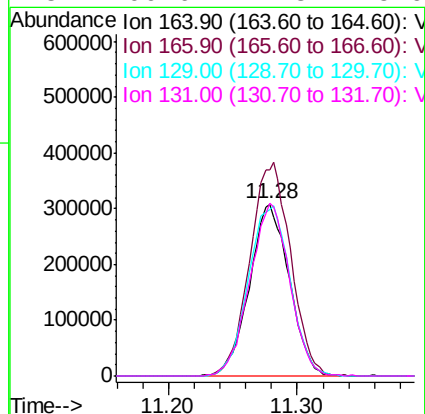
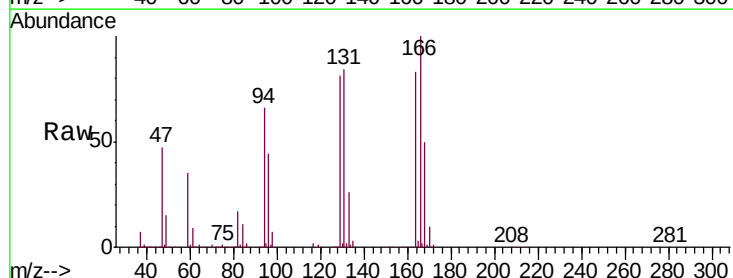
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

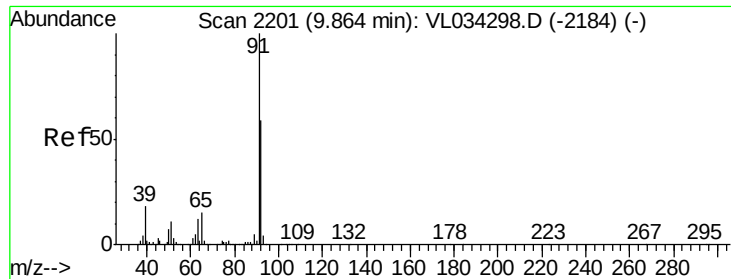
Tgt Ion: 43 Resp: 1720190
Ion Ratio Lower Upper
43 100
58 47.6 37.0 55.6
98 0.1 0.2 0.2#



#52
Tetrachloroethene
Concen: 9.097 ppbv
RT: 11.28 min Scan# 2641
Delta R.T. -0.01 min
Lab File: VL034359.D
Acq: 25 Oct 2019 10:14

Tgt Ion: 164 Resp: 659688
Ion Ratio Lower Upper
164 100
166 120.2 95.3 142.9
129 97.1 84.5 126.7
131 100.6 77.3 115.9





#53

Toluene

Concen: 9.915 ppbv

RT: 9.85 min Scan# 2198

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

ClientSampleId :

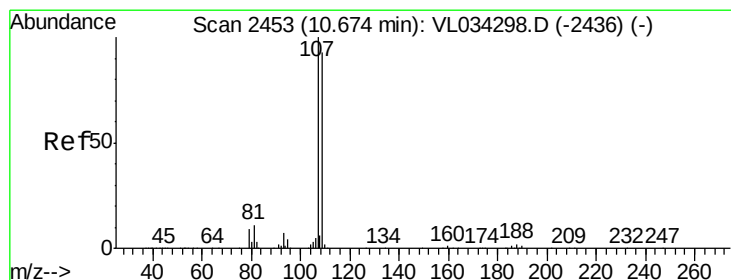
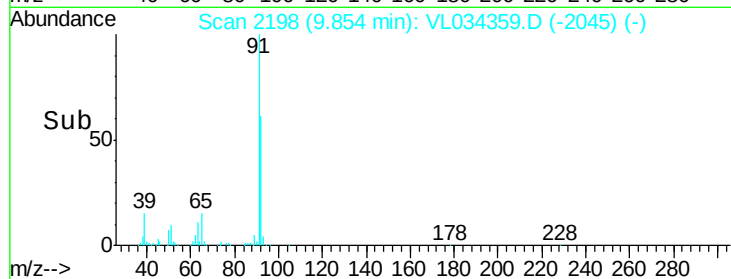
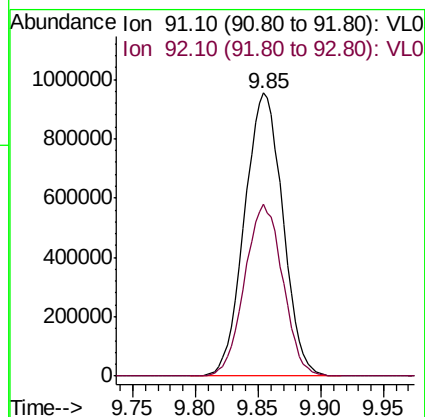
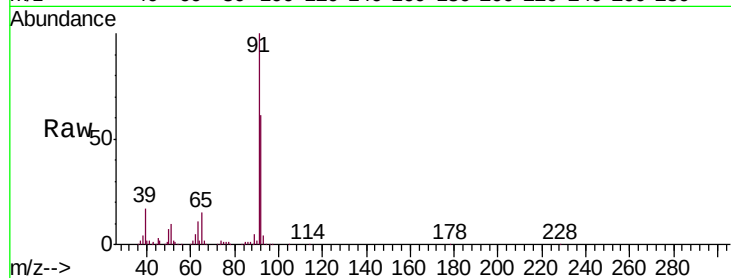
VSTDCCC010

Tgt Ion: 91 Resp: 2024263

Ion Ratio Lower Upper

91 100

92 60.5 48.4 72.6



#54

1,2-Dibromoethane

Concen: 9.192 ppbv

RT: 10.67 min Scan# 2451

Delta R.T. -0.01 min

Lab File: VL034359.D

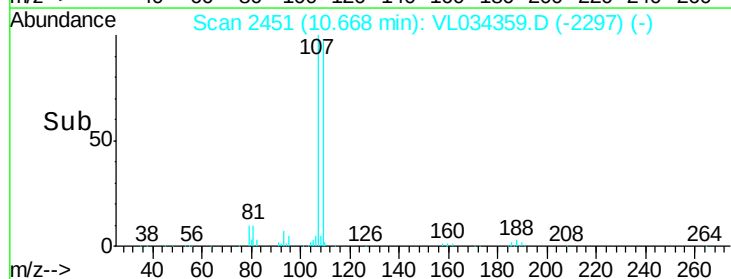
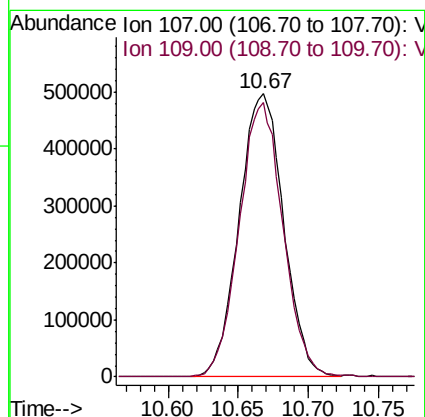
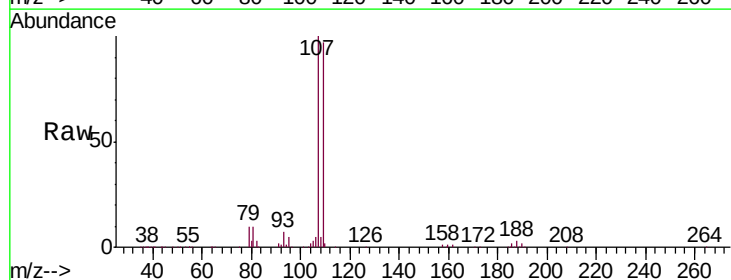
Acq: 25 Oct 2019 10:14

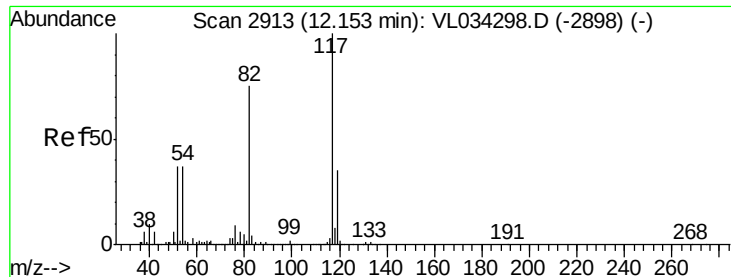
Tgt Ion: 107 Resp: 1099379

Ion Ratio Lower Upper

107 100

109 96.7 74.6 112.0

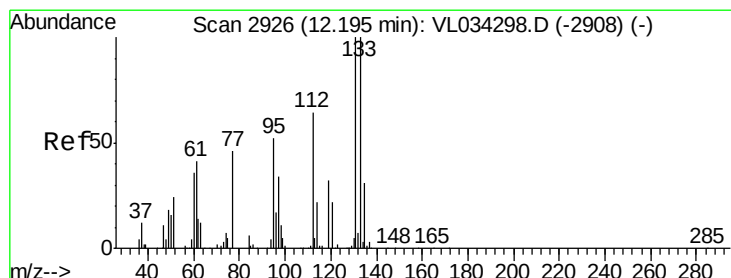
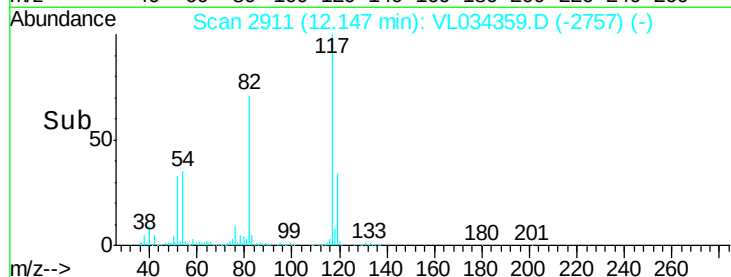
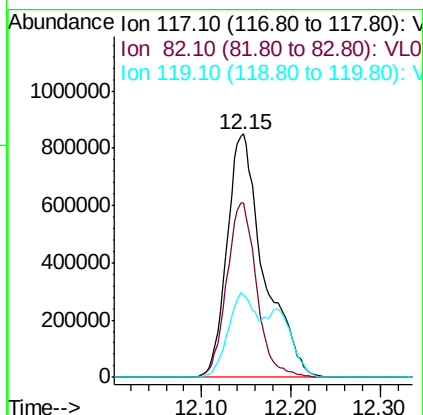
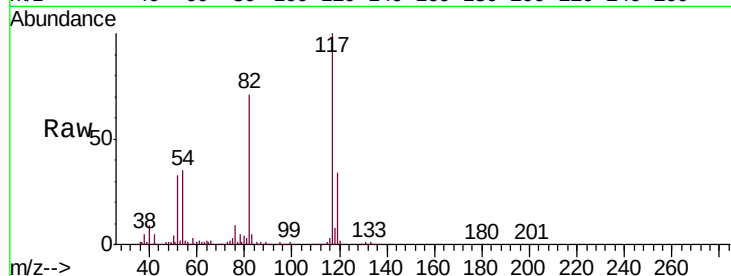




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL034359.D
Acq: 25 Oct 2019 10:14

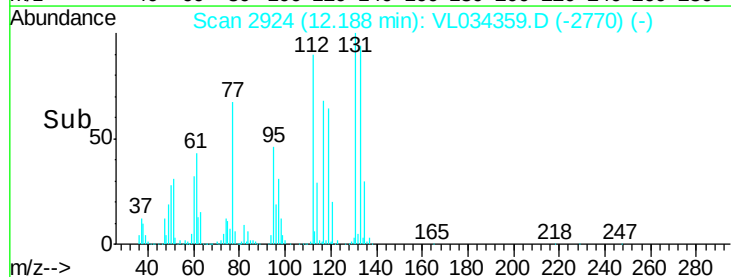
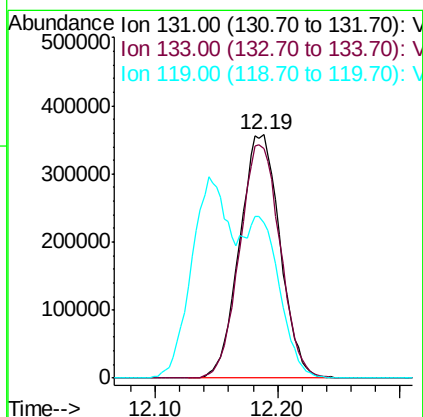
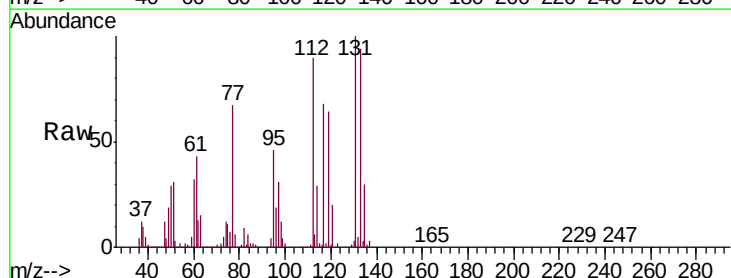
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

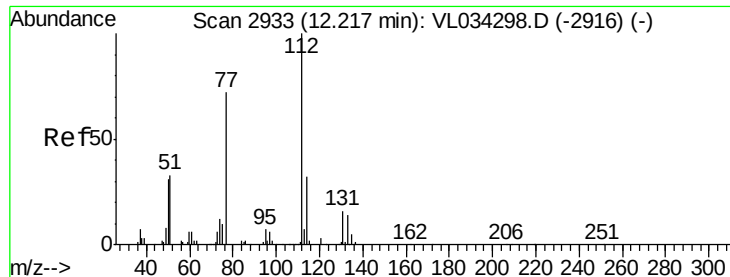
Tgt Ion:117 Resp: 2428853
Ion Ratio Lower Upper
117 100
82 58.4 55.5 83.3
119 47.4 26.5 39.7#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.301 ppbv
RT: 12.19 min Scan# 2924
Delta R.T. -0.01 min
Lab File: VL034359.D
Acq: 25 Oct 2019 10:14

Tgt Ion:131 Resp: 817252
Ion Ratio Lower Upper
131 100
133 96.3 77.1 115.7
119 140.9 49.0 73.4#

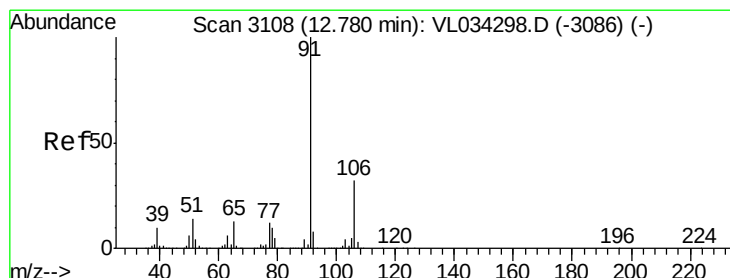
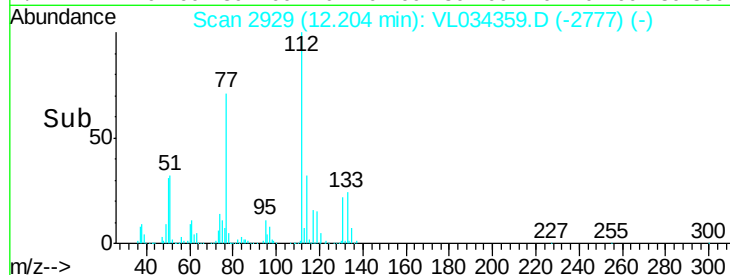
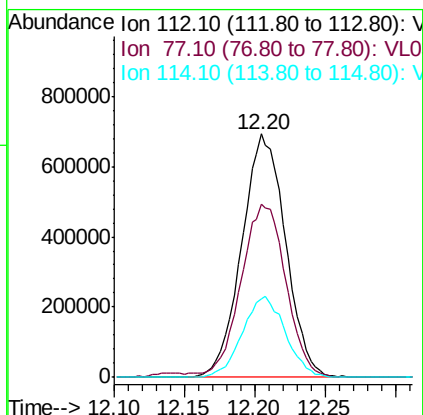
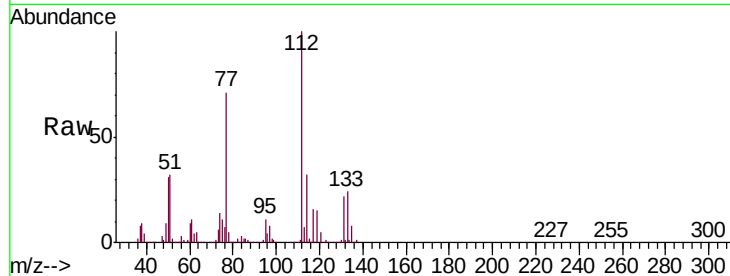




#57
Chlorobenzene
Concen: 7.393 ppbv
RT: 12.20 min Scan# 2929
Delta R.T. -0.01 min
Lab File: VL034359.D
Acq: 25 Oct 2019 10:14

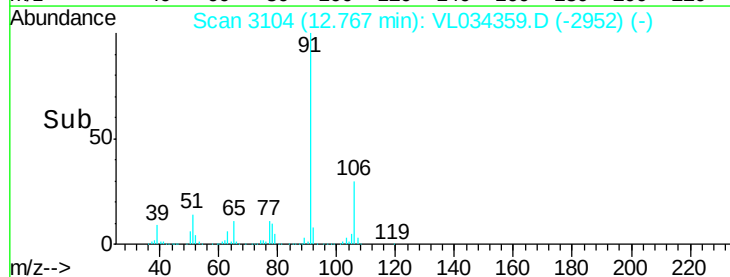
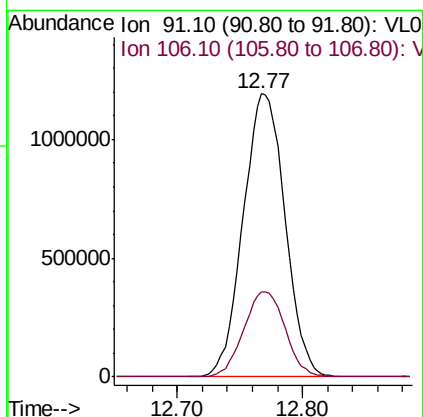
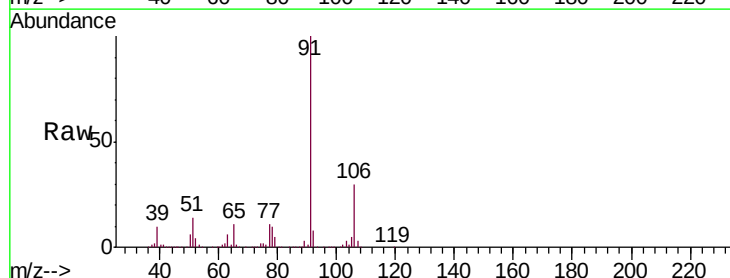
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

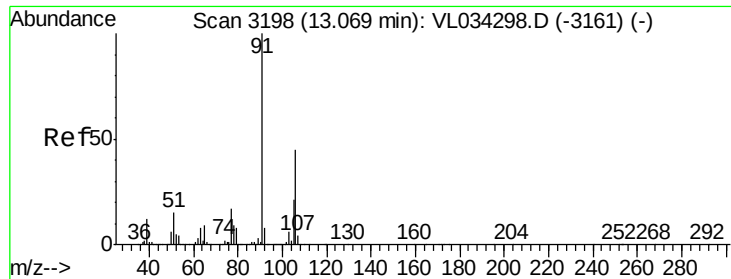
Tgt Ion: 112 Resp: 1498026
Ion Ratio Lower Upper
112 100
77 71.0 58.6 88.0
114 32.2 28.6 35.0



#58
Ethyl Benzene
Concen: 8.163 ppbv
RT: 12.77 min Scan# 3104
Delta R.T. -0.01 min
Lab File: VL034359.D
Acq: 25 Oct 2019 10:14

Tgt Ion: 91 Resp: 2771471
Ion Ratio Lower Upper
91 100
106 30.0 25.3 37.9

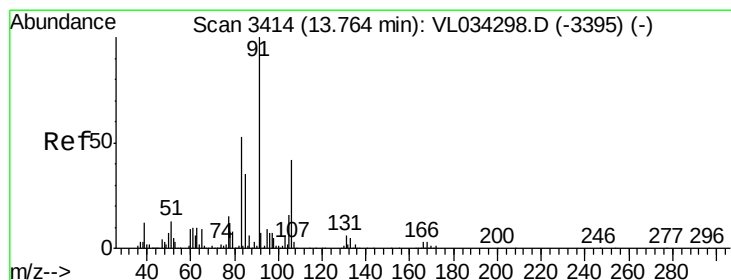
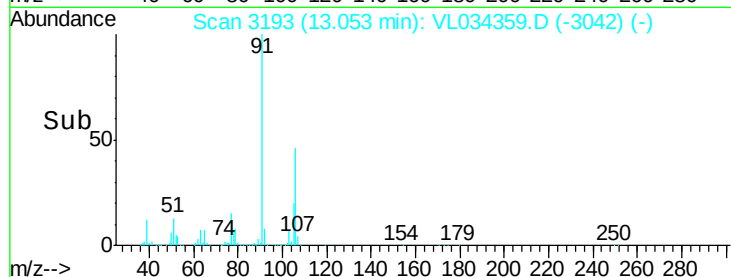
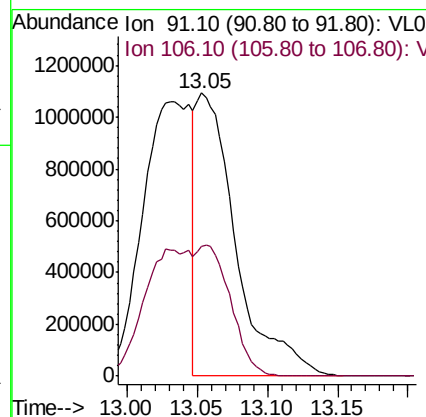
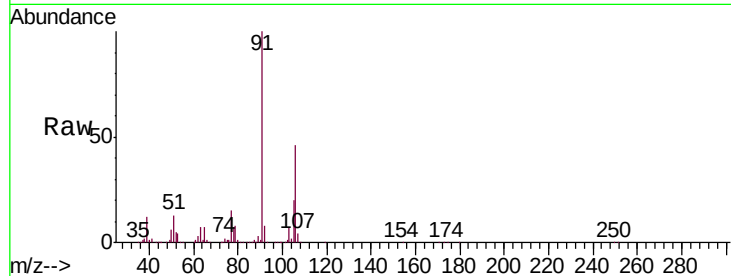




#59
m/p-Xylene
Concen: 7.245 ppbv
RT: 13.05 min Scan# 3193
Delta R.T. -0.02 min
Lab File: VL034359.D
Acq: 25 Oct 2019 10:14

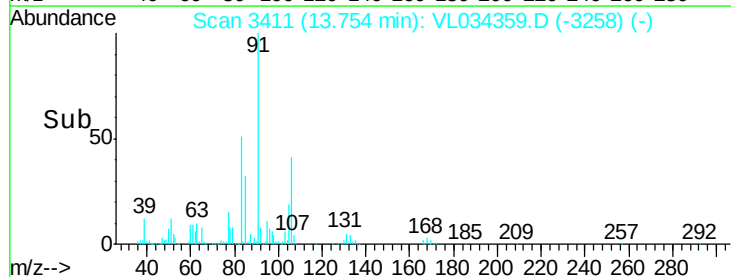
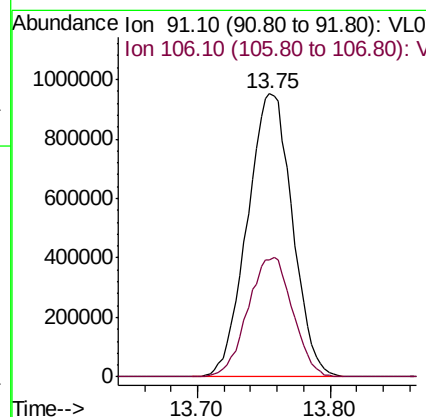
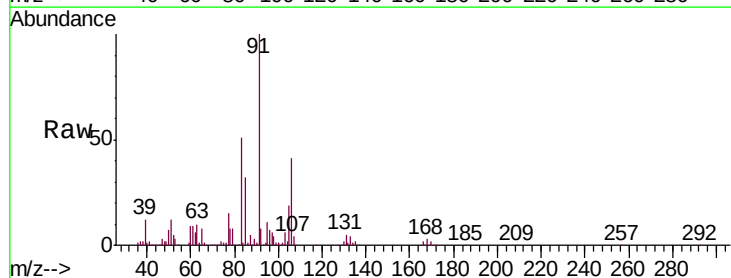
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

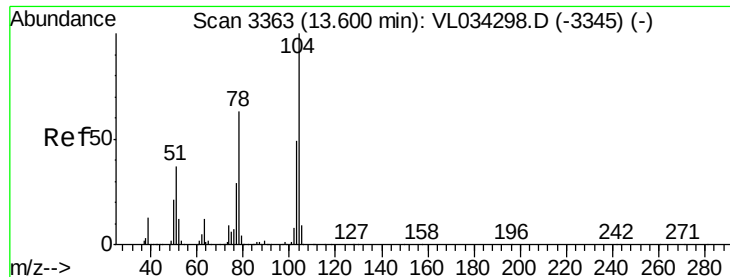
Tgt Ion: 91 Resp: 2131222
Ion Ratio Lower Upper
91 100
106 94.1 35.4 53.2#



#60
o-Xylene
Concen: 7.669 ppbv
RT: 13.75 min Scan# 3411
Delta R.T. -0.01 min
Lab File: VL034359.D
Acq: 25 Oct 2019 10:14

Tgt Ion: 91 Resp: 2246656
Ion Ratio Lower Upper
91 100
106 42.0 21.6 64.6





#61

Styrene

Concen: 8.269 ppbv

RT: 13.59 min Scan# 3359

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

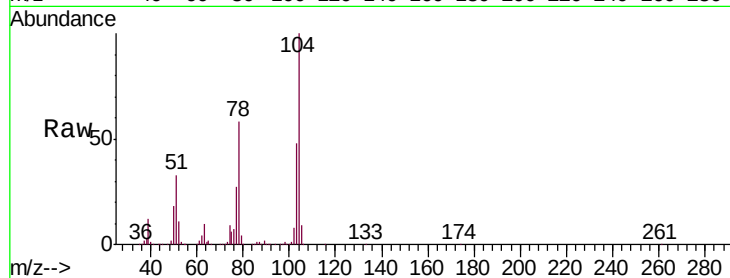
Tgt Ion:104 Resp: 1705317

Ion Ratio Lower Upper

104 100

78 58.8 47.8 71.8

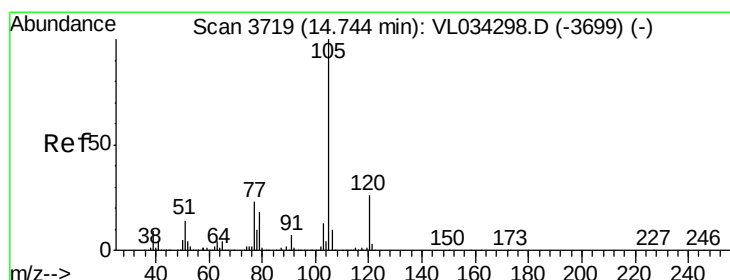
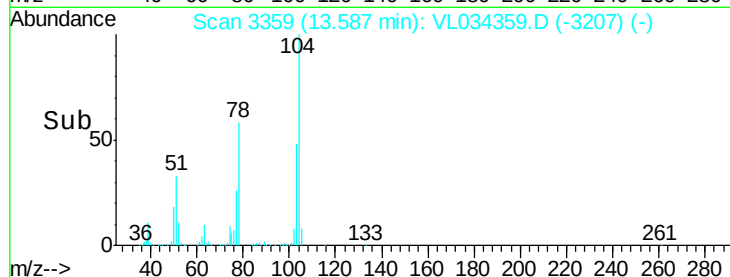
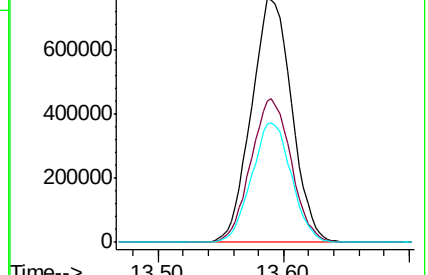
103 48.4 39.0 58.6



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: 7.640 ppbv

RT: 14.73 min Scan# 3715

Delta R.T. -0.01 min

Lab File: VL034359.D

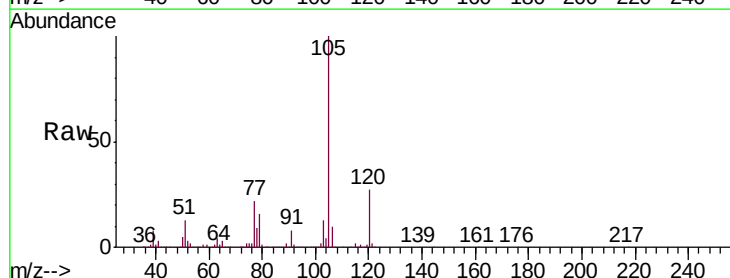
Acq: 25 Oct 2019 10:14

Tgt Ion:105 Resp: 2954311

Ion Ratio Lower Upper

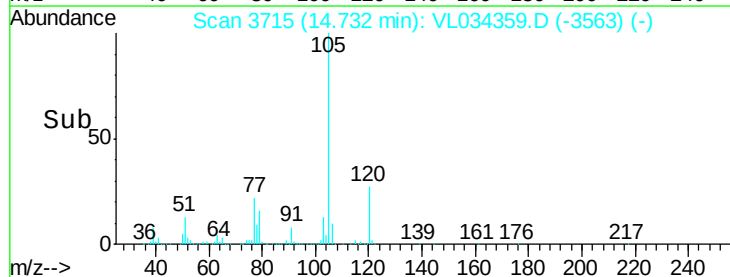
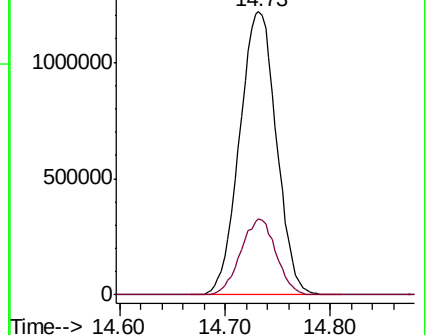
105 100

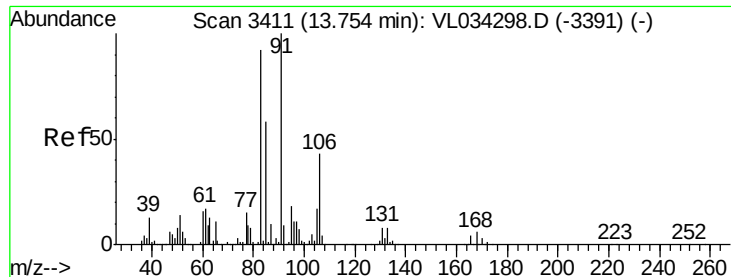
120 25.8 20.8 31.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 6.461 ppbv

RT: 13.74 min Scan# 3408

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

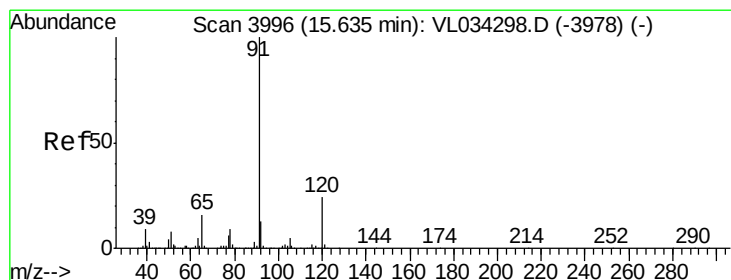
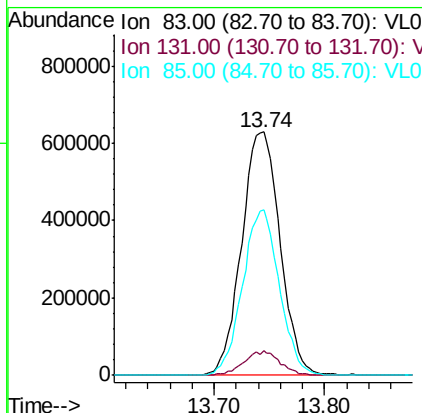
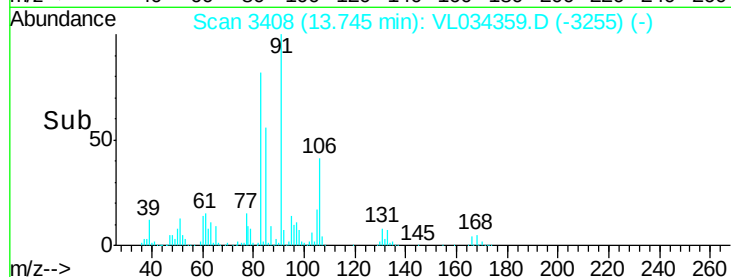
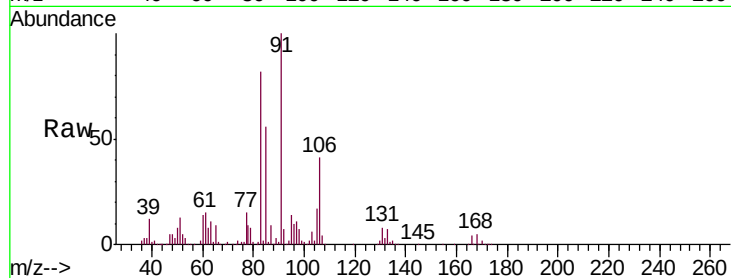
Tgt Ion: 83 Resp: 1520968

Ion Ratio Lower Upper

83 100

131 9.4 4.8 14.4

85 65.2 32.5 97.4



#64

n-propylbenzene

Concen: 7.719 ppbv

RT: 15.63 min Scan# 3993

Delta R.T. -0.01 min

Lab File: VL034359.D

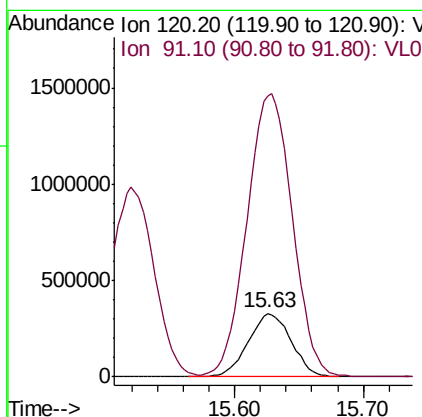
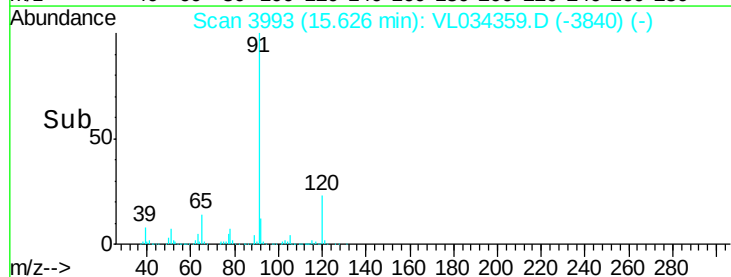
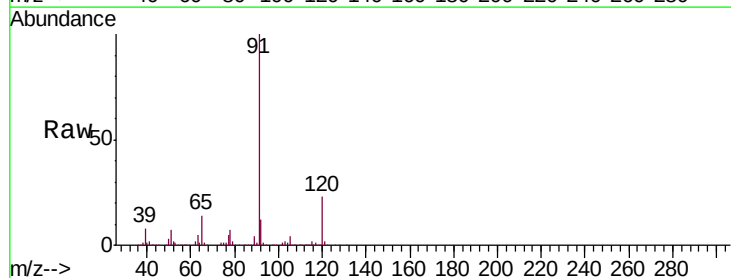
Acq: 25 Oct 2019 10:14

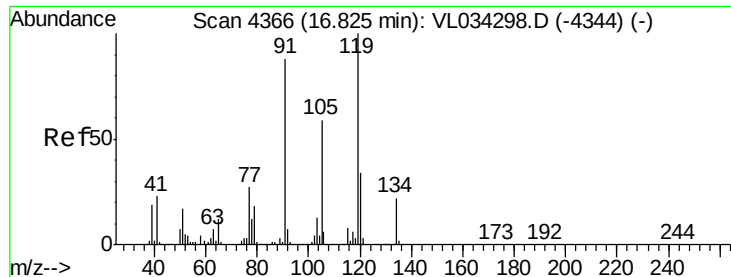
Tgt Ion: 120 Resp: 766066

Ion Ratio Lower Upper

120 100

91 472.6 374.9 562.3

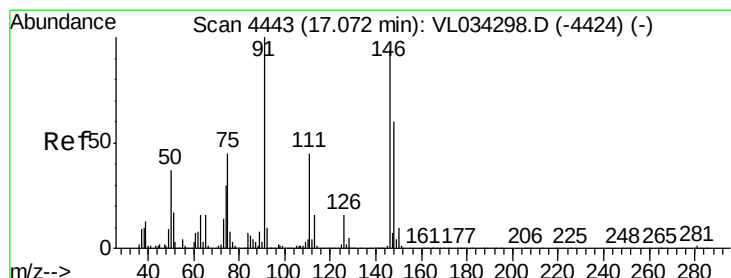
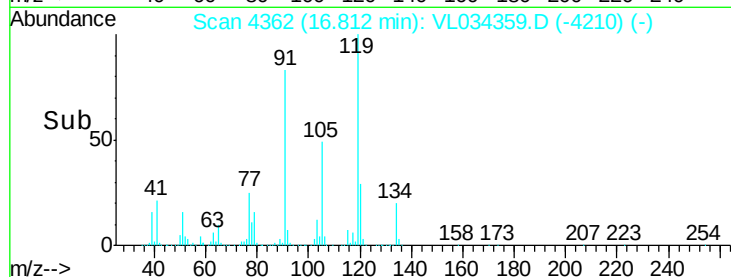
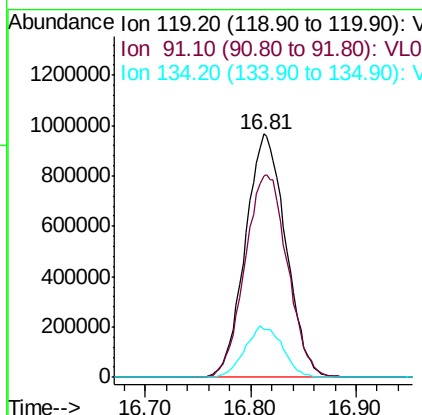
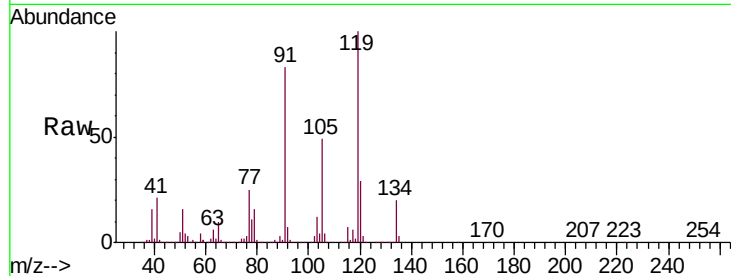




#65
 tert-Butylbenzene
 Concen: 7.502 ppbv
 RT: 16.81 min Scan# 4362
 Delta R.T. -0.01 min
 Lab File: VL034359.D
 Acq: 25 Oct 2019 10:14

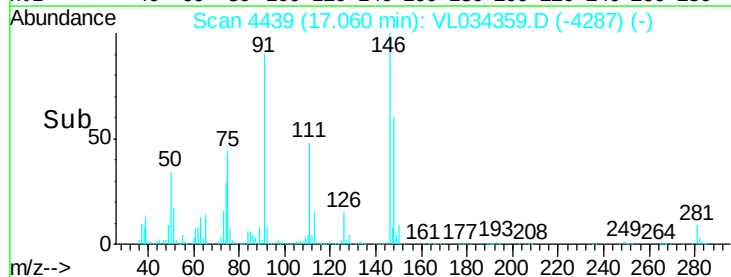
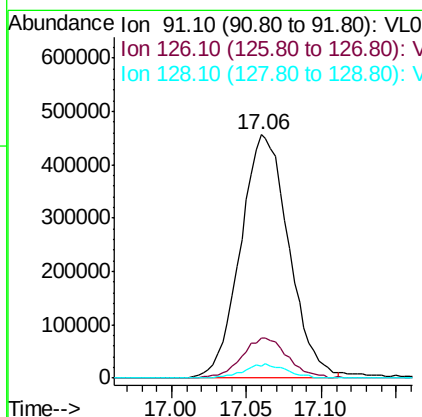
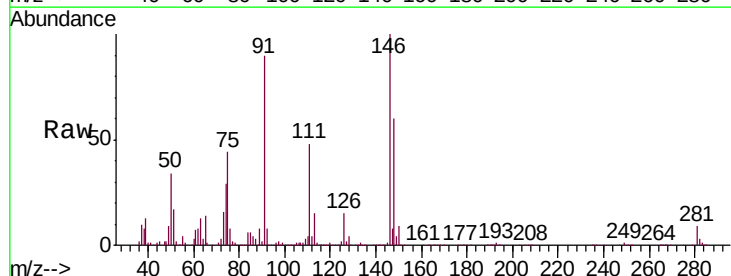
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

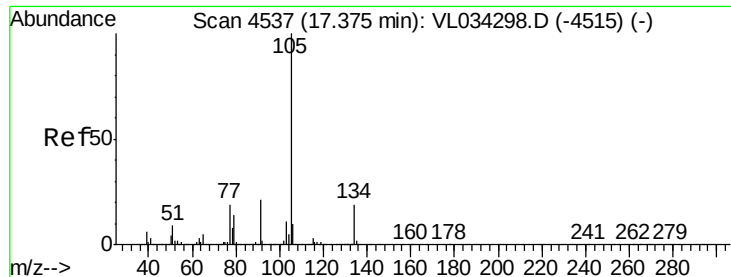
Tgt Ion: 119 Resp: 2571021
 Ion Ratio Lower Upper
 119 100
 91 87.8 71.4 107.0
 134 19.8 15.9 23.9



#66
 Benzyl Chloride
 Concen: 7.518 ppbv
 RT: 17.06 min Scan# 4439
 Delta R.T. -0.01 min
 Lab File: VL034359.D
 Acq: 25 Oct 2019 10:14

Tgt Ion: 91 Resp: 1017674
 Ion Ratio Lower Upper
 91 100
 126 16.0 12.9 19.3
 128 5.2 4.3 6.5





#67

sec-Butylbenzene

Concen: 7.406 ppbv

RT: 17.37 min Scan# 4534

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

ClientSampleId :

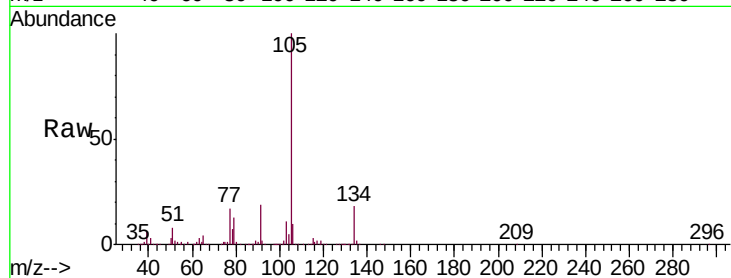
VSTDCCC010

Tgt Ion:105 Resp: 3571713

Ion Ratio Lower Upper

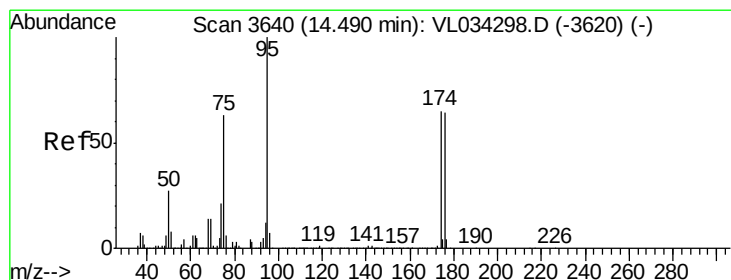
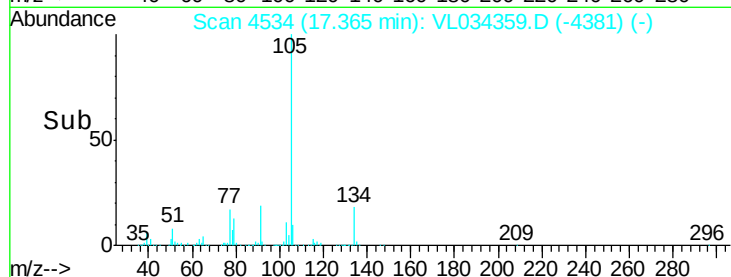
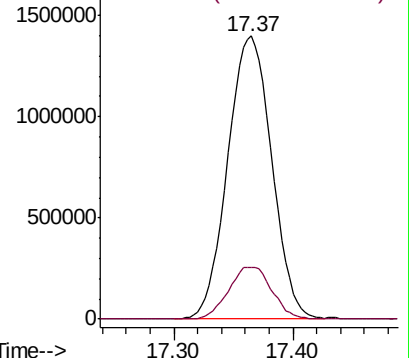
105 100

134 18.3 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: 7.947 ppbv

RT: 14.48 min Scan# 3638

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

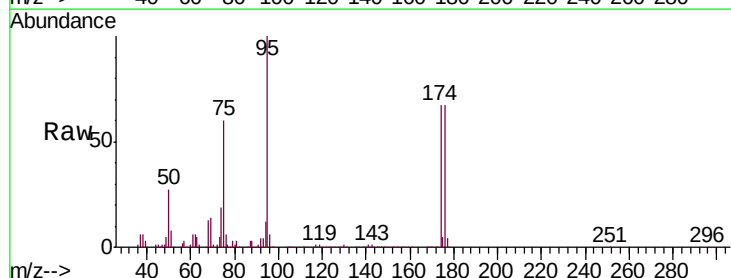
Tgt Ion: 95 Resp: 1634832

Ion Ratio Lower Upper

95 100

174 66.8 52.6 78.8

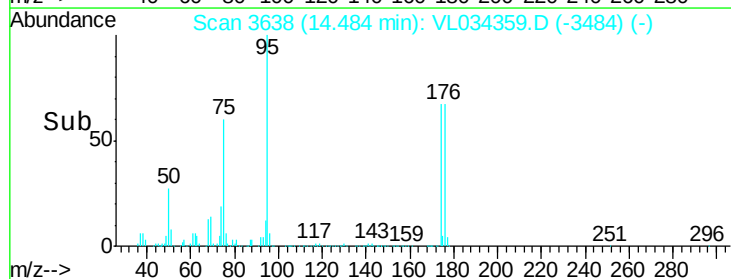
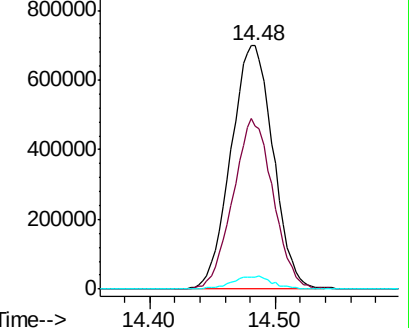
175 5.0 3.8 5.6

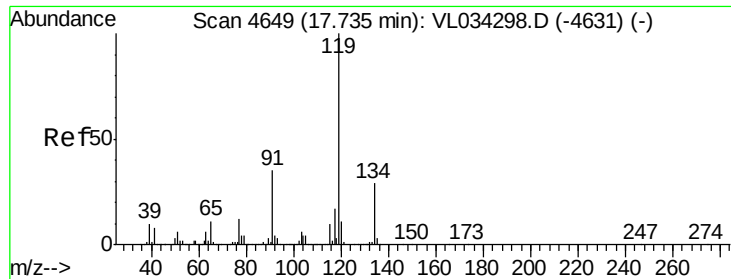


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

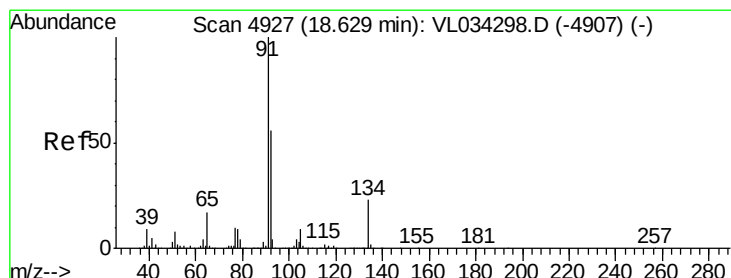
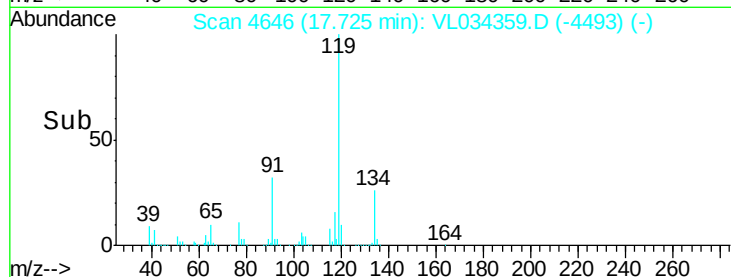
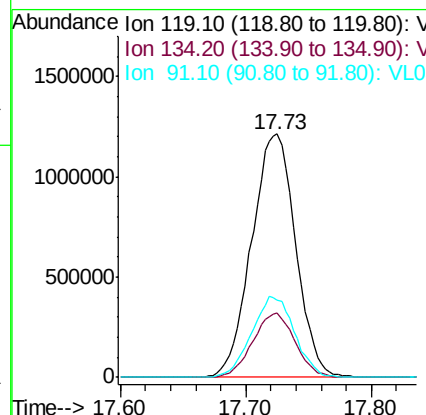
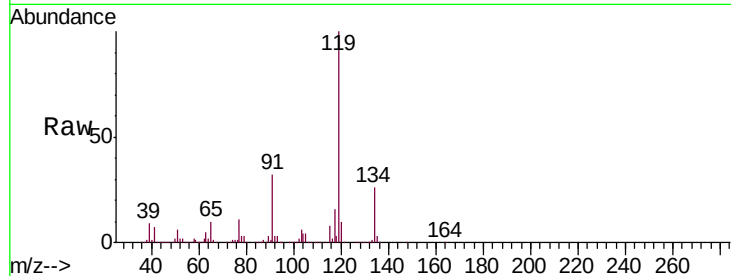




#69
 p-Isopropyltoluene
 Concen: 7.519 ppbv
 RT: 17.73 min Scan# 4646
 Delta R.T. -0.01 min
 Lab File: VL034359.D
 Acq: 25 Oct 2019 10:14

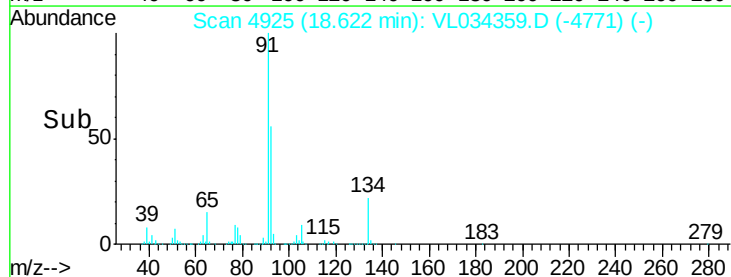
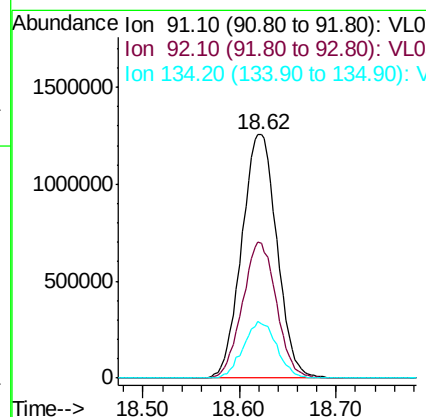
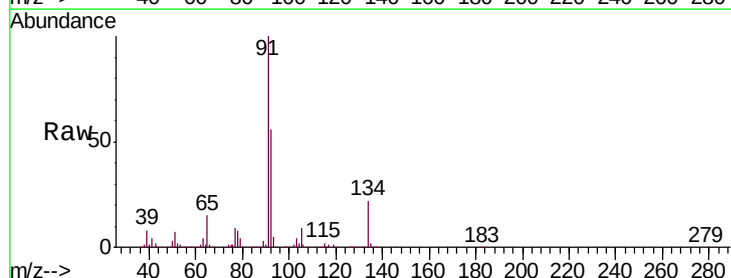
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

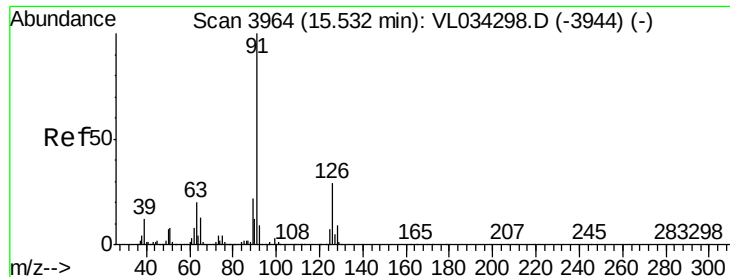
Tgt Ion: 119 Resp: 2956420
 Ion Ratio Lower Upper
 119 100
 134 25.5 21.3 31.9
 91 32.8 26.6 39.8



#70
 n-Butylbenzene
 Concen: 7.401 ppbv
 RT: 18.62 min Scan# 4925
 Delta R.T. -0.01 min
 Lab File: VL034359.D
 Acq: 25 Oct 2019 10:14

Tgt Ion: 91 Resp: 3166427
 Ion Ratio Lower Upper
 91 100
 92 54.2 44.5 66.7
 134 22.1 18.2 27.2

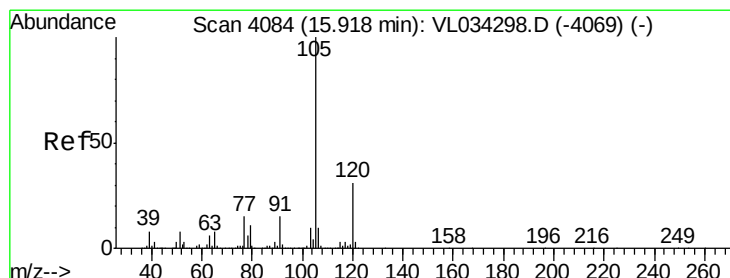
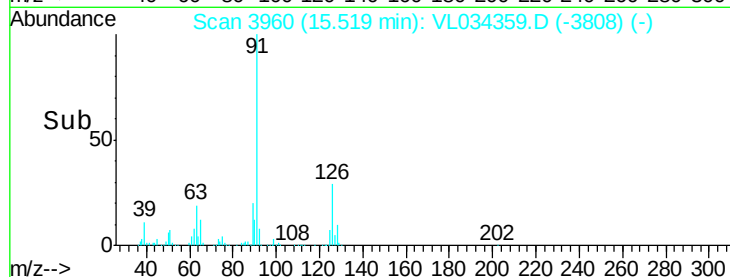
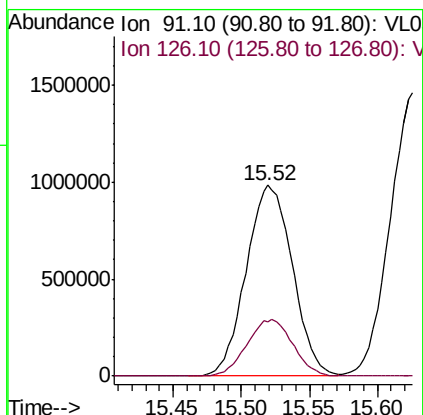
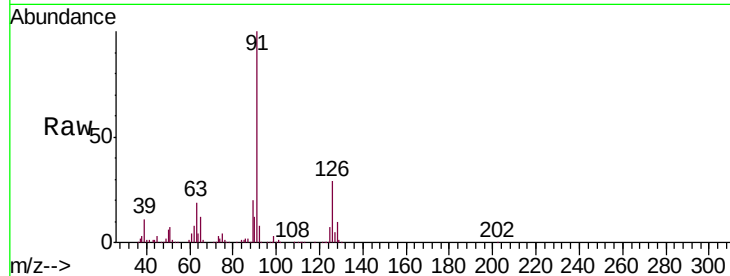




#71
 2-Chlorotoluene
 Concen: 7.746 ppbv
 RT: 15.52 min Scan# 3960
 Delta R.T. -0.01 min
 Lab File: VL034359.D
 Acq: 25 Oct 2019 10:14

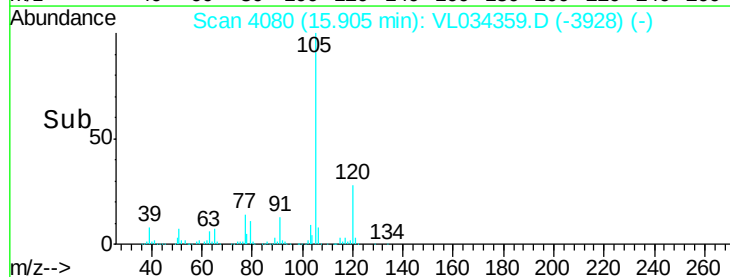
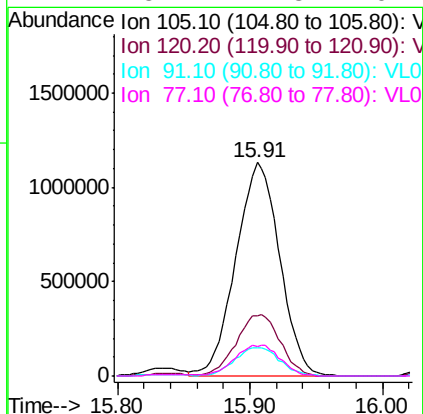
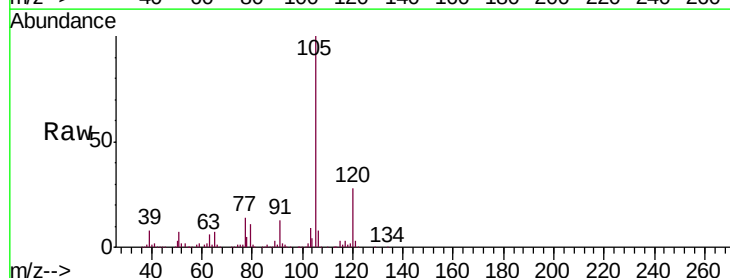
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

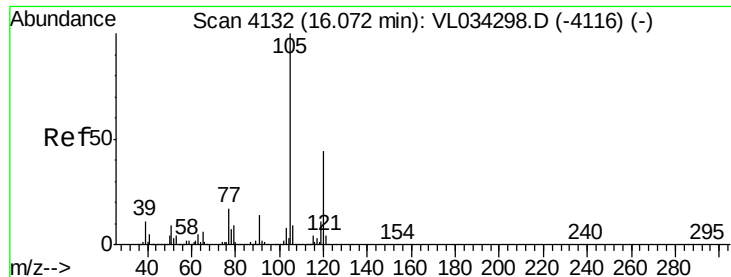
Tgt Ion: 91 Resp: 2322443
 Ion Ratio Lower Upper
 91 100
 126 29.4 11.9 47.5



#72
 4-Ethyltoluene
 Concen: 7.879 ppbv
 RT: 15.91 min Scan# 4080
 Delta R.T. -0.01 min
 Lab File: VL034359.D
 Acq: 25 Oct 2019 10:14

Tgt Ion: 105 Resp: 2594508
 Ion Ratio Lower Upper
 105 100
 120 28.9 23.8 35.8
 91 14.0 11.2 16.8
 77 15.1 12.8 19.2





#73

1,3,5-Trimethylbenzene

Concen: 7.554 ppbv

RT: 16.07 min Scan# 4130

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

ClientSampleId :

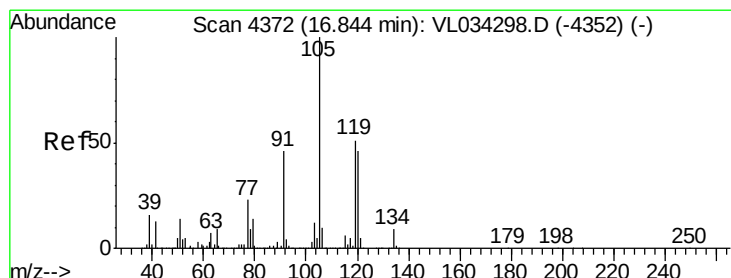
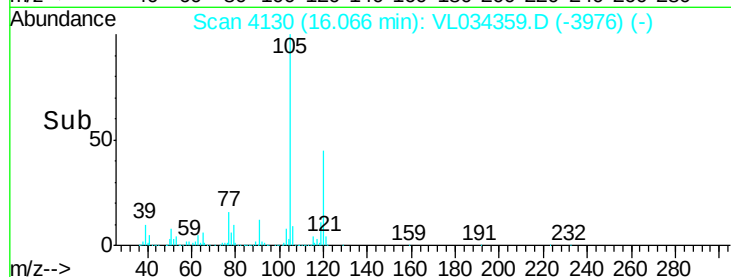
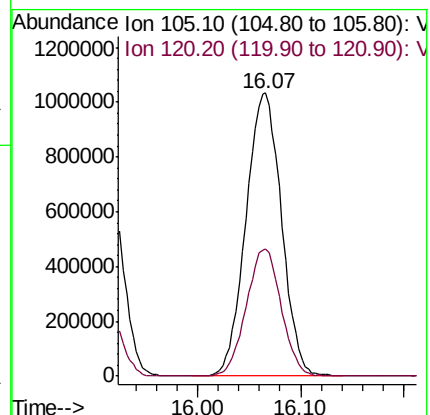
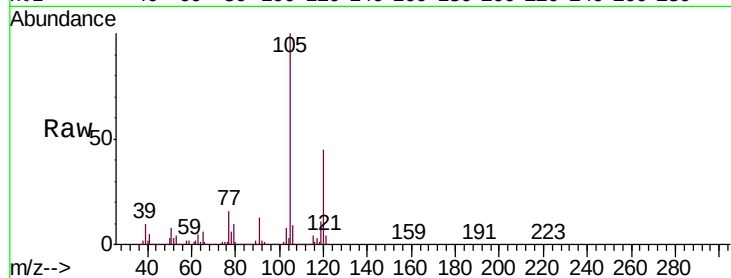
VSTDCCC010

Tgt Ion:105 Resp: 2464625

Ion Ratio Lower Upper

105 100

120 44.7 35.2 52.8



#74

1,2,4-Trimethylbenzene

Concen: 7.348 ppbv

RT: 16.83 min Scan# 4369

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Tgt Ion:105 Resp: 2499947

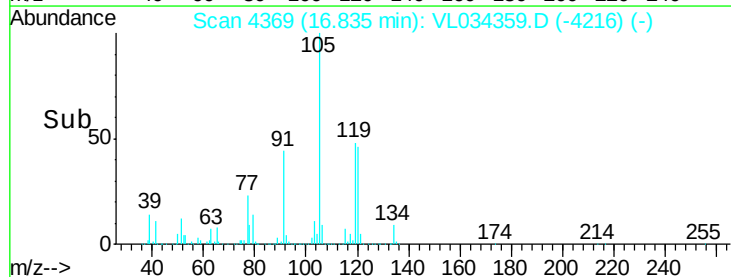
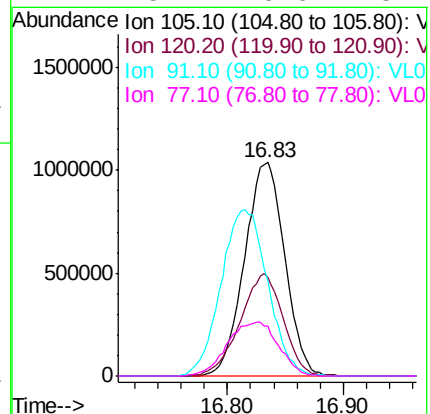
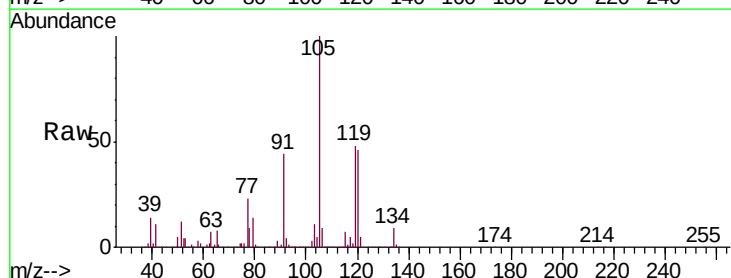
Ion Ratio Lower Upper

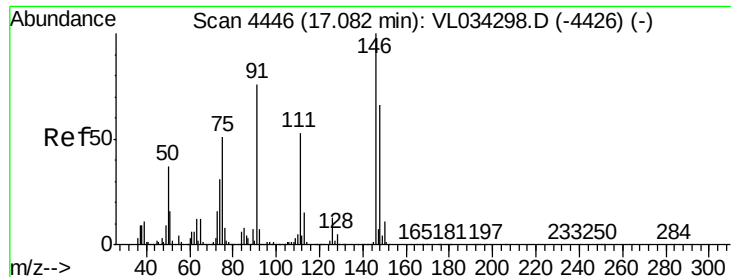
105 100

120 45.7 37.0 55.6

91 43.9 38.2 57.2

77 23.4 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 6.979 ppbv

RT: 17.07 min Scan# 4442

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

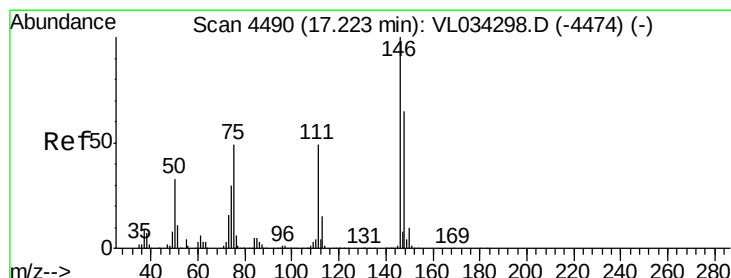
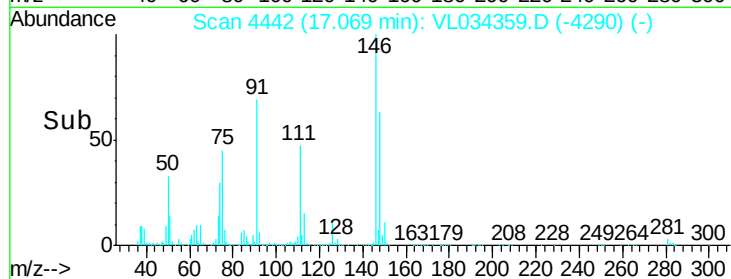
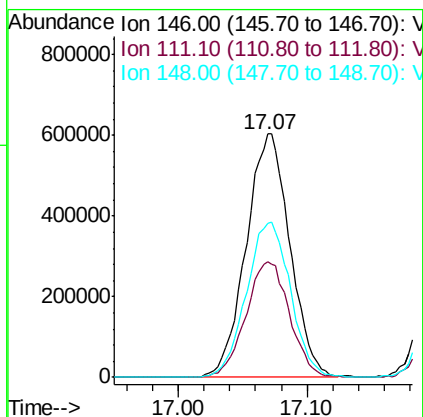
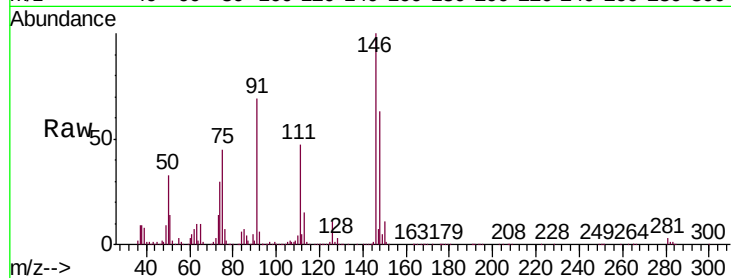
Tgt Ion:146 Resp: 1425565

Ion Ratio Lower Upper

146 100

111 47.6 24.5 73.5

148 64.1 32.3 96.8



#76

1,4-Dichlorobenzene

Concen: 7.150 ppbv

RT: 17.21 min Scan# 4487

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

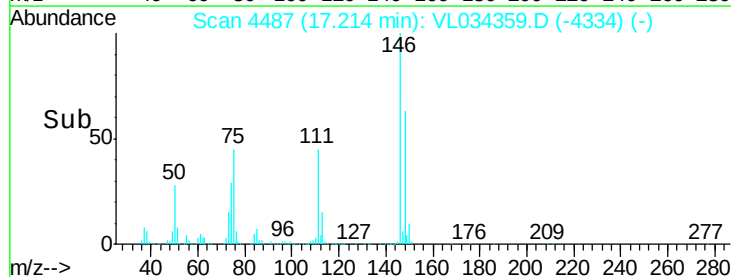
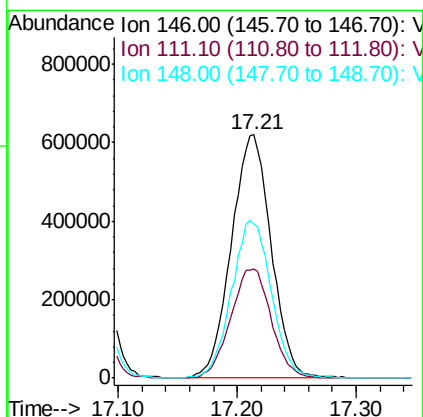
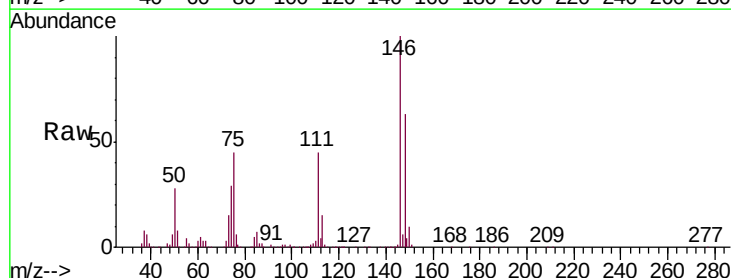
Tgt Ion:146 Resp: 1426682

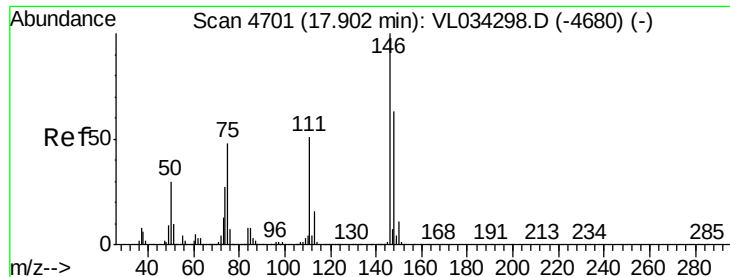
Ion Ratio Lower Upper

146 100

111 46.1 23.9 71.7

148 65.7 33.1 99.2





#77

1,2-Dichlorobenzene

Concen: 4.351 ppbv

RT: 17.89 min Scan# 4698

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

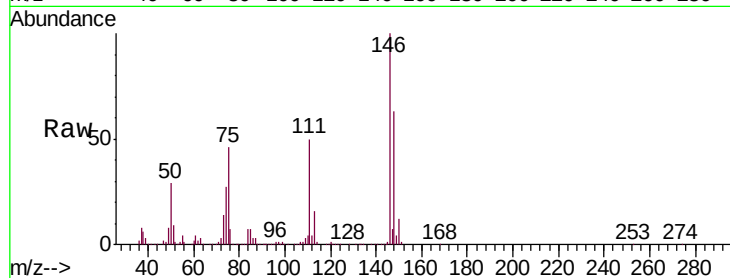
Tgt Ion:146 Resp: 871329

Ion Ratio Lower Upper

146 100

111 77.8 25.1 75.3#

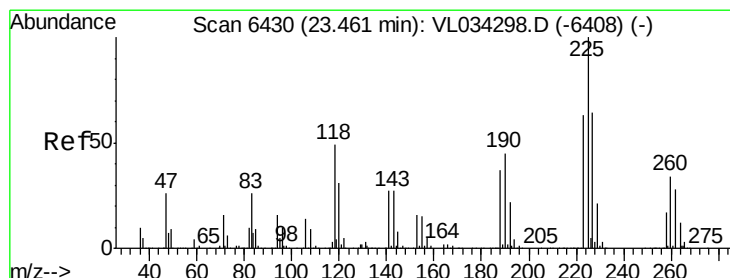
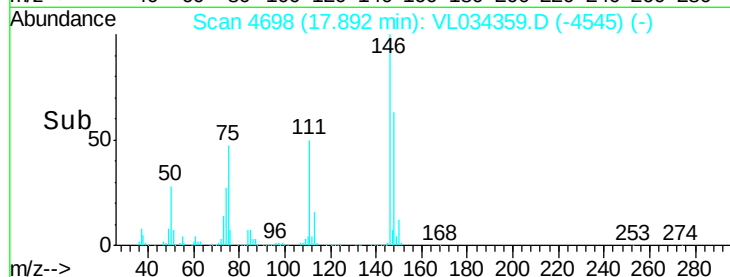
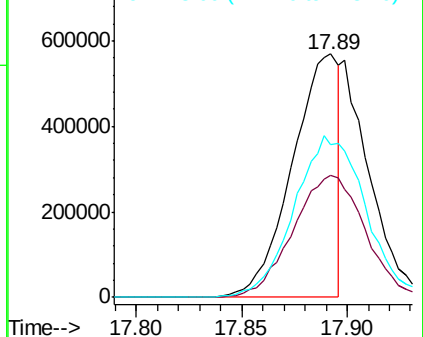
148 102.0 32.3 96.8#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 8.198 ppbv

RT: 23.45 min Scan# 6426

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

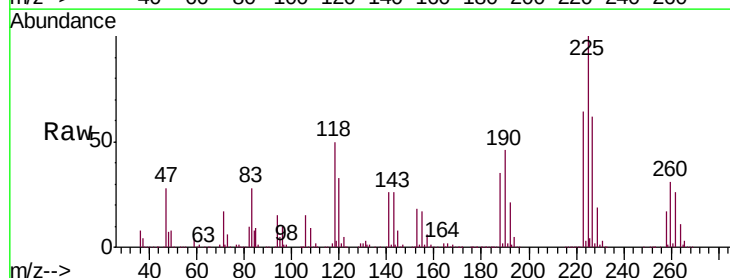
Tgt Ion:225 Resp: 1358068

Ion Ratio Lower Upper

225 100

223 63.1 50.8 76.2

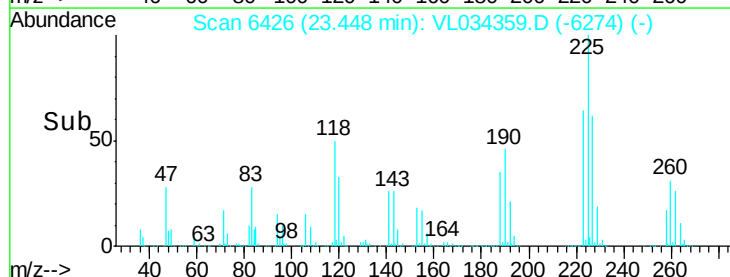
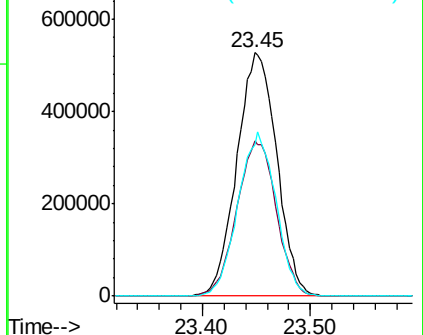
227 64.0 51.5 77.3

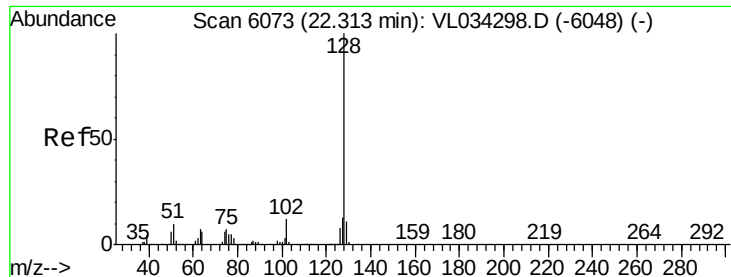


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 10.010 ppbv

RT: 22.29 min Scan# 6067

Delta R.T. -0.02 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

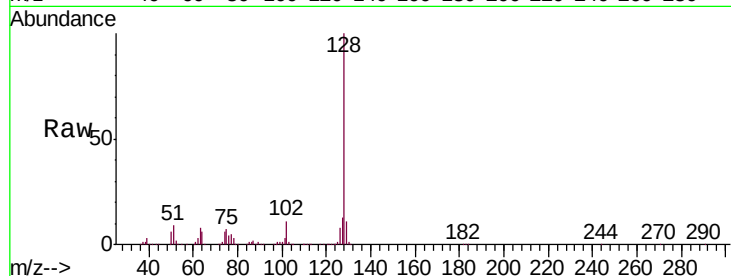
Tgt Ion:128 Resp: 2487772

Ion Ratio Lower Upper

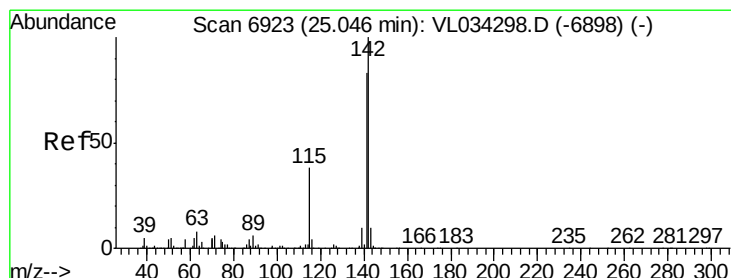
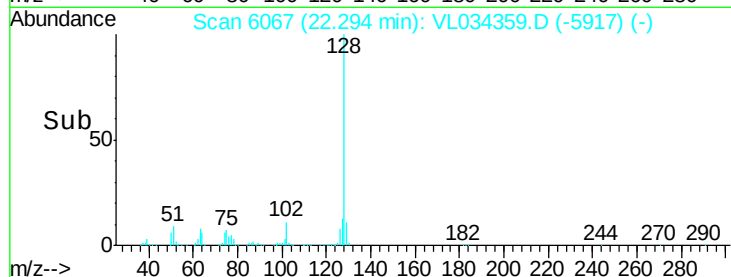
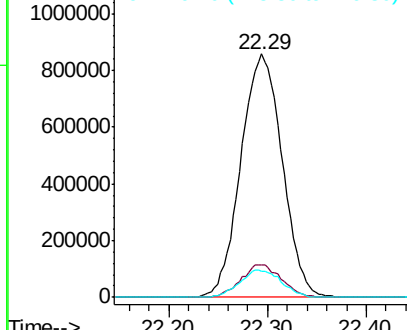
128 100

127 13.1 10.2 15.4

129 10.6 8.9 13.3



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 17.271 ppbv

RT: 25.04 min Scan# 6920

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

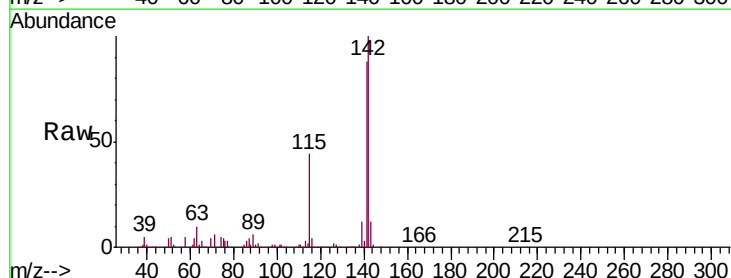
Tgt Ion:142 Resp: 1240758

Ion Ratio Lower Upper

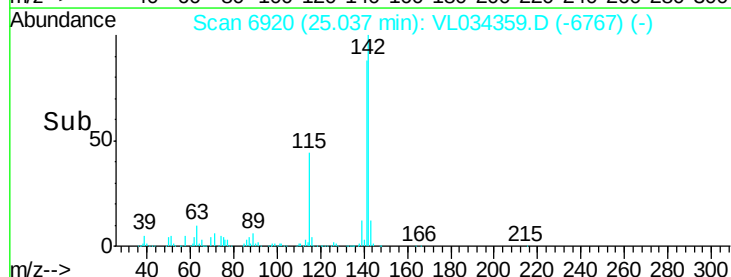
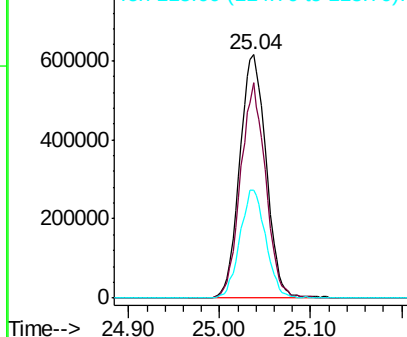
142 100

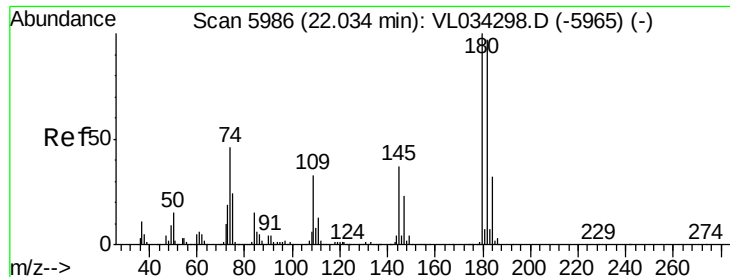
141 83.9 65.7 98.5

115 43.7 30.9 46.3



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





#81

1,2,4-Trichlorobenzene

Concen: 8.947 ppbv

RT: 22.02 min Scan# 5983

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

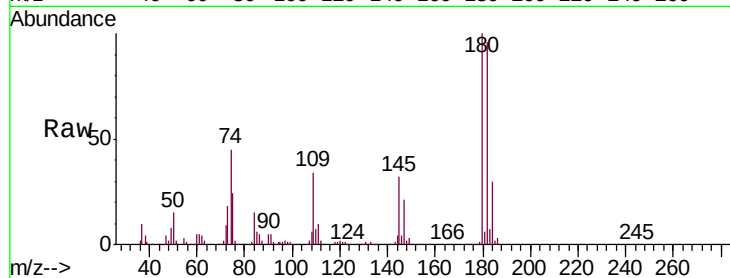
Tgt Ion:180 Resp: 1452424

Ion Ratio Lower Upper

180 100

182 95.4 77.8 116.8

184 30.6 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

