

Data File : VL034136.D
Acq On : 5 Sep 2019 15:04
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Quant Time: Sep 06 04:14:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Sep 05 10:21:45 2019
QLast Update : Thu Sep 05 10:21:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.71	49	905828	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.23	114	1758969	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.17	117	2224268	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.51	95	1480844	8.14	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	1140889	7.636	ppbv	98
3) Chlorodifluoromethane	2.98	51	969817	9.605	ppbv	99
4) Chloromethane	3.13	50	562648	8.913	ppbv	100
5) Vinyl Chloride	3.25	62	515400	8.963	ppbv	97
6) Bromomethane	3.47	94	276390	9.739	ppbv	94
7) Chloroethane	3.55	64	189052	9.650	ppbv	94
8) Dichlorotetrafluoroethane	3.18	85	1111045	9.239	ppbv	98
9) Propene	3.00	41	522566	9.250	ppbv	98
10) Heptane	8.18	43	1392009	9.494	ppbv	100
11) Trichlorofluoromethane	3.96	101	1132356	9.293	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.50	101	765022	9.385	ppbv	96
13) Ethanol	3.61	45	73306	6.624	ppbv #	51
14) Bromoethene	3.74	108	343460	9.732	ppbv	98
15) Acetone	3.85	43	979087	8.968	ppbv	100
16) 1,3-Butadiene	3.32	39	525399	9.503	ppbv	96
17) tert-Butyl alcohol	4.31	59	889948	11.229	ppbv	99
18) 1,1-Dichloroethene	4.30	96	361542	9.707	ppbv	96
19) Isopropyl Alcohol	3.98	45	834299	11.322	ppbv	100
20) Methylene Chloride	4.35	84	313983	8.699	ppbv	98
21) Allyl Chloride	4.43	41	689389	9.579	ppbv	98
22) trans-1,2-Dichloroethene	4.91	96	354663	9.514	ppbv	99
23) Vinyl Acetate	5.10	43	1768787	9.550	ppbv	99
24) 1,1-Dichloroethane	5.04	63	1128571	9.181	ppbv	100
25) Ethyl Acetate	5.71	43	2104533	8.782	ppbv	99
26) Hexane	5.72	57	925356	8.685	ppbv	97
27) Carbon Disulfide	4.57	76	924074	9.610	ppbv	99
28) Methyl tert-Butyl Ether	5.06	73	1448205	9.277	ppbv	99
29) Chloroform	5.80	83	1335563	9.294	ppbv	98
30) Cyclohexane	7.18	84	749643	9.732	ppbv	99
31) cis-1,2-Dichloroethene	5.58	61	958210	9.391	ppbv	97
32) 1,1,1-Trichloroethane	6.56	97	1241846	9.147	ppbv	99
34) 2-Butanone	5.27	43	1499909	8.870	ppbv	100
35) Carbon Tetrachloride	7.07	117	1185875	8.647	ppbv	98
36) Benzene	6.94	78	1811575	9.010	ppbv	97
37) 1,2-Dichloroethane	6.35	62	1084971	8.797	ppbv	100
38) Trichloroethene	7.90	130	583027	7.771	ppbv	95
39) 1,2-Dichloropropane	7.67	63	769992	8.949	ppbv	95
40) 1,4-Dioxane	7.89	88	283378	8.962	ppbv #	88
41) Tetrahydrofuran	6.09	42	927614	9.150	ppbv	100
42) Bromodichloromethane	7.85	83	1464189	9.108	ppbv	100
43) Methyl Methacrylate	8.07	69	790529	9.544	ppbv	99

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 05 10:21:45 2019
QLast Update : Thu Sep 05 10:21:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.93	57	3200764	8.635	ppbv	99
45) t-1,3-Dichloropropene	9.35	75	908272	9.330	ppbv	98
46) cis-1,3-Dichloropropene	8.77	75	1086719	9.176	ppbv	98
47) 1,1,2-Trichloroethane	9.55	97	710705	9.066	ppbv	98
48) Dibromochloromethane	10.38	129	1117013	9.550	ppbv	98
49) Bromoform	13.13	173	964396	9.404	ppbv	99
50) 4-Methyl-2-Pentanone	8.80	43	2249920	8.719	ppbv	98
51) 2-Hexanone	10.20	43	1928168	8.650	ppbv	99
52) Tetrachloroethene	11.31	164	576648	8.134	ppbv	98
53) Toluene	9.88	91	2037489	9.163	ppbv	98
54) 1,2-Dibromoethane	10.69	107	1075827	9.212	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.21	131	734758	7.702	ppbv	99
57) Chlorobenzene	12.23	112	1395333	7.293	ppbv	98
58) Ethyl Benzene	12.80	91	2751387	7.544	ppbv	98
59) m/p-Xylene	13.08	91	2557011	8.594	ppbv #	50
60) o-Xylene	13.78	91	2170231	7.323	ppbv	99
61) Styrene	13.61	104	1628553	7.347	ppbv	100
62) Isopropylbenzene	14.76	105	2902695	7.528	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.77	83	1594056	6.601	ppbv	100
64) n-propylbenzene	15.66	120	755106	7.818	ppbv	94
65) tert-Butylbenzene	16.84	119	2454823	7.377	ppbv	100
66) Benzyl Chloride	17.09	91	946689	7.716	ppbv	100
67) sec-Butylbenzene	17.39	105	3566398	7.453	ppbv	99
69) p-Isopropyltoluene	17.75	119	2910129	7.601	ppbv	99
70) n-Butylbenzene	18.64	91	3298829	7.573	ppbv	99
71) 2-Chlorotoluene	15.55	91	2401096	7.623	ppbv	99
72) 4-Ethyltoluene	15.93	105	2508095	7.501	ppbv	99
73) 1,3,5-Trimethylbenzene	16.09	105	2428891	7.474	ppbv	96
74) 1,2,4-Trimethylbenzene	16.86	105	2421760	7.237	ppbv	97
75) 1,3-Dichlorobenzene	17.10	146	1305386	7.363	ppbv	100
76) 1,4-Dichlorobenzene	17.24	146	1349495	7.262	ppbv	99
77) 1,2-Dichlorobenzene	17.92	146	1348200	7.428	ppbv	99
78) Hexachloro-1,3-Butadiene	23.48	225	1045038	8.439	ppbv	98
79) Naphthalene	22.33	128	2353980	7.782	ppbv	99
80) Naphthalene,2-methyl-	25.05	142	892420	8.499	ppbv	99
81) 1,2,4-Trichlorobenzene	22.05	180	1193823	7.253	ppbv	99

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

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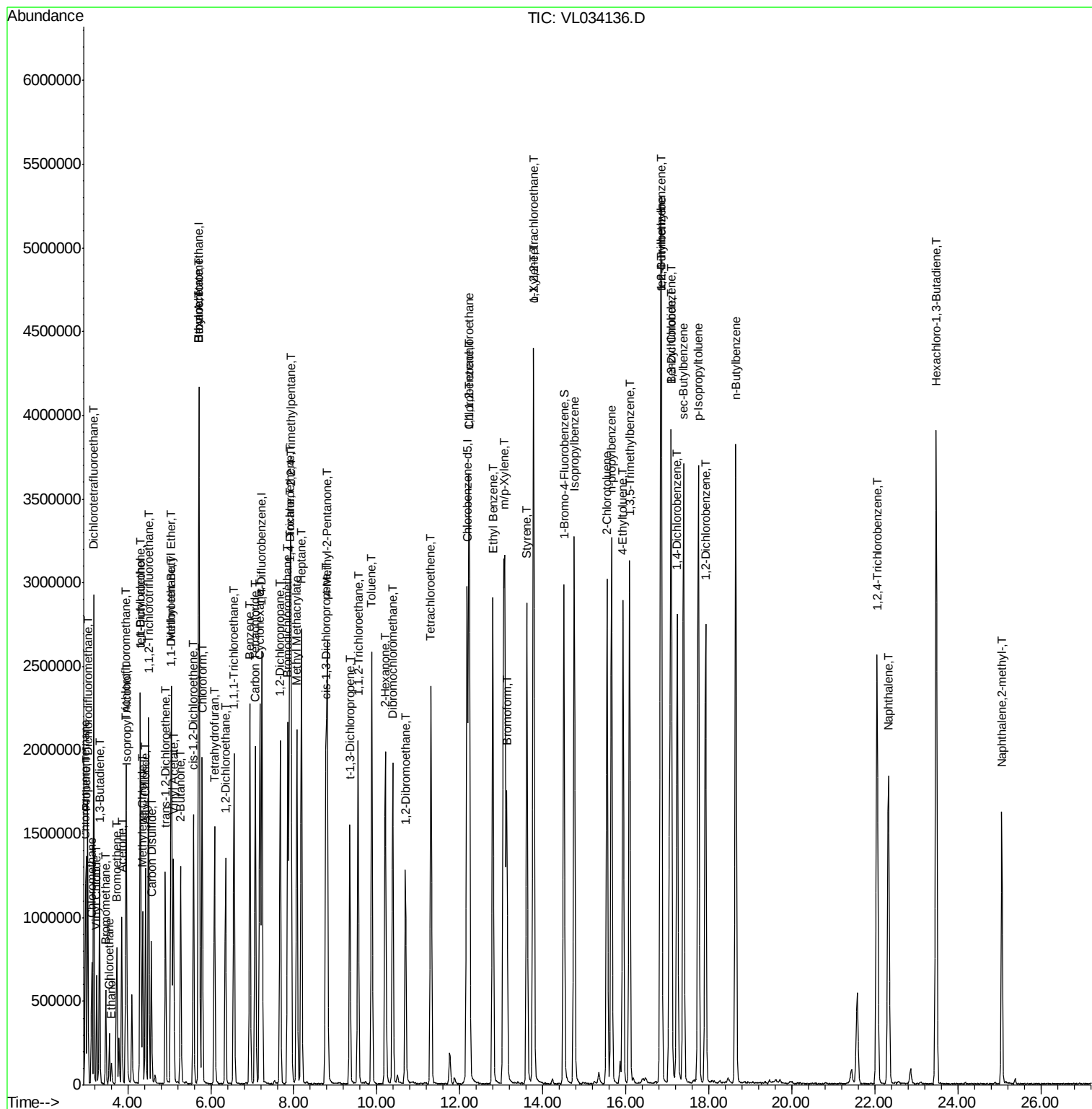
Quant Time: Sep 06 04:14:10 2019

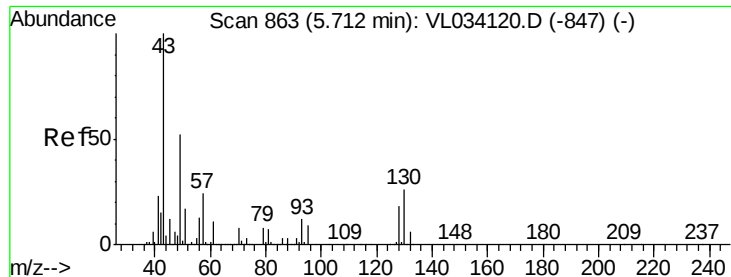
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_L\METHODS\VL090519AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Sep 05 10:21:45 2019

QLast Update : Thu Sep 05 10:21:45 2019

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.71 min Scan# 861

Delta R.T. -0.01 min

Lab File: VL034136.D

Acq: 5 Sep 2019 15:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

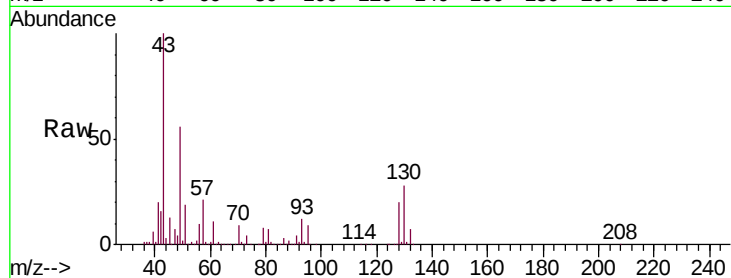
Tgt Ion: 49 Resp: 905828

Ion Ratio Lower Upper

49 100

128 36.8 18.4 55.0

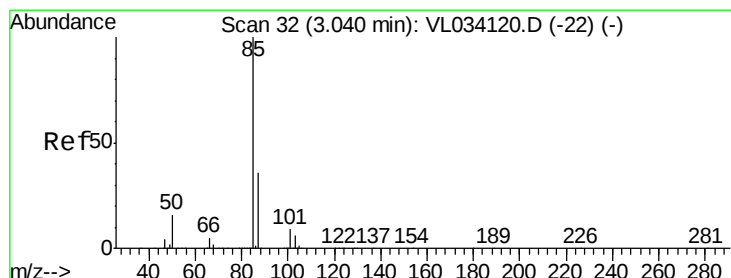
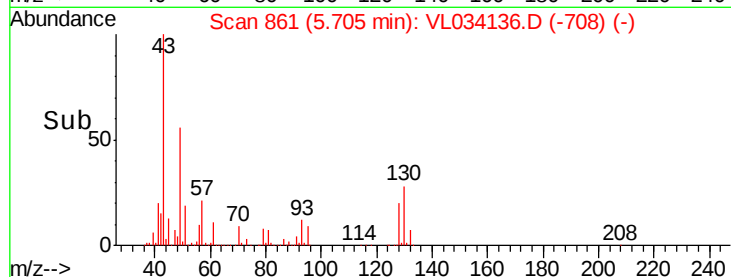
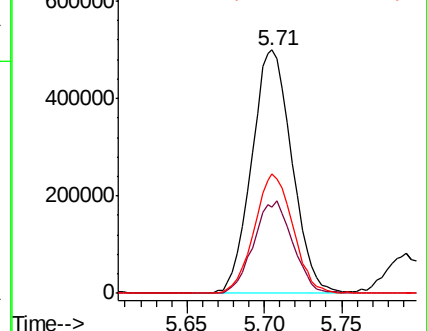
130 47.4 23.5 70.6



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.636 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.00 min

Lab File: VL034136.D

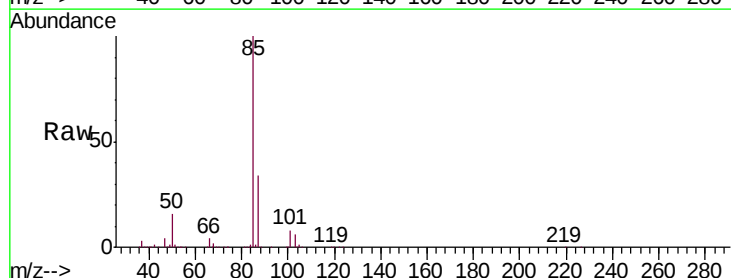
Acq: 5 Sep 2019 15:04

Tgt Ion: 85 Resp: 1140889

Ion Ratio Lower Upper

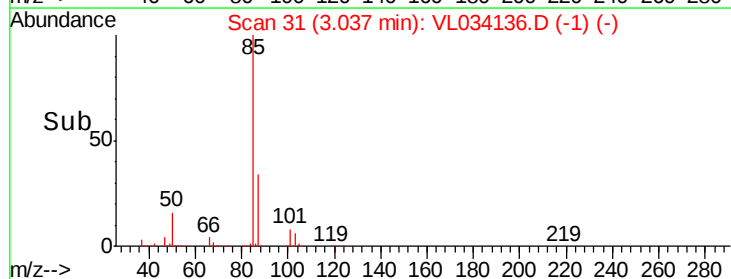
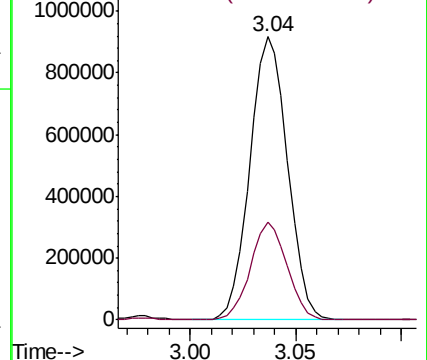
85 100

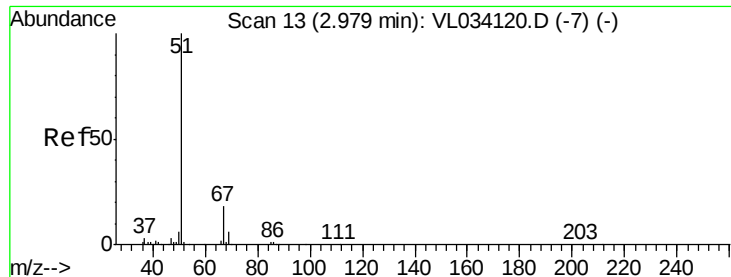
87 34.5 28.6 43.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.605 ppbv

RT: 2.98 min Scan# 12

Delta R.T. -0.00 min

Lab File: VL034136.D

Acq: 5 Sep 2019 15:04

Instrument :

MSVOA_L

ClientSampleId :

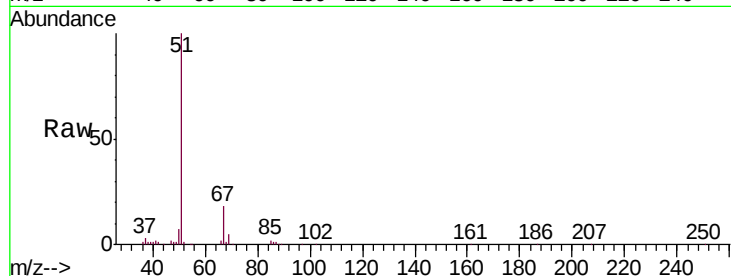
VSTDCCC010EC

Tgt Ion: 51 Resp: 969817

Ion Ratio Lower Upper

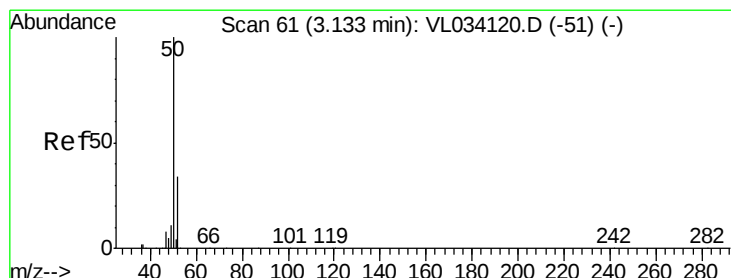
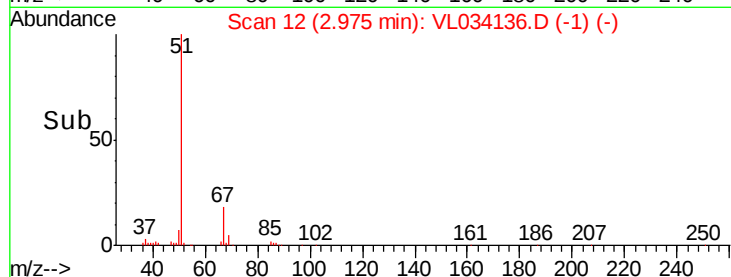
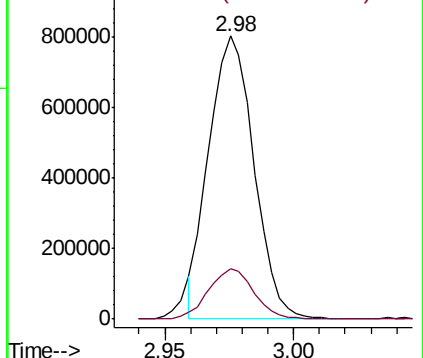
51 100

67 17.4 14.2 21.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.913 ppbv

RT: 3.13 min Scan# 60

Delta R.T. -0.00 min

Lab File: VL034136.D

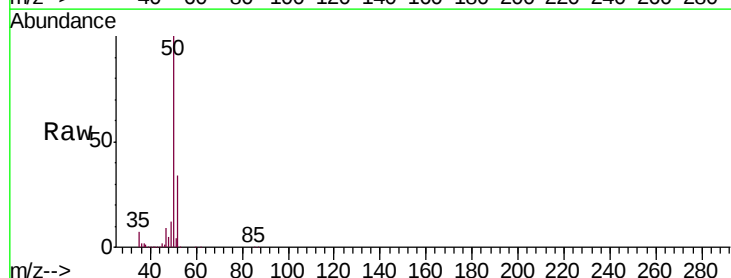
Acq: 5 Sep 2019 15:04

Tgt Ion: 50 Resp: 562648

Ion Ratio Lower Upper

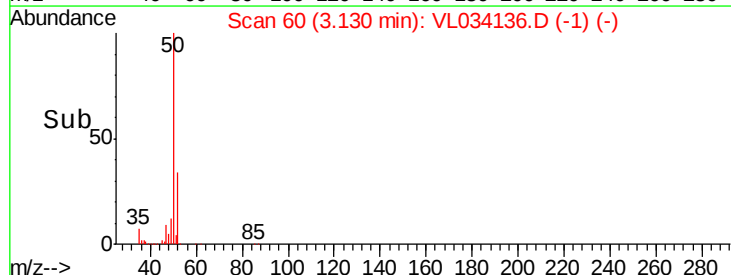
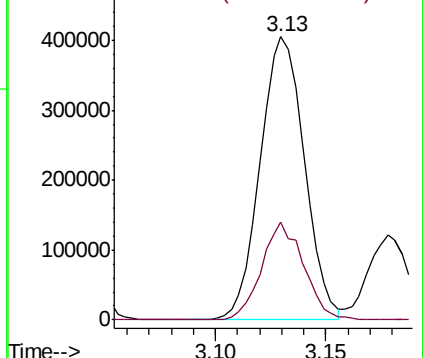
50 100

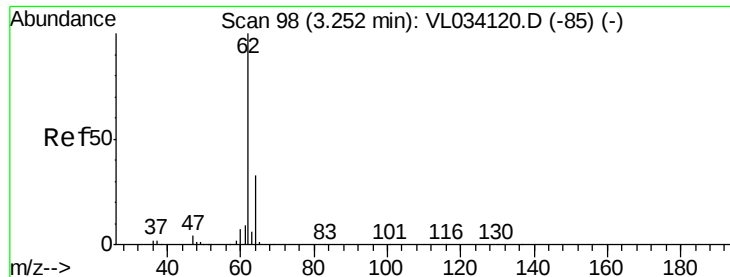
52 34.5 27.4 41.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.963 ppbv

RT: 3.25 min Scan# 97

Delta R.T. -0.00 min

Lab File: VL034136.D

Acq: 5 Sep 2019 15:04

Instrument :

MSVOA_L

ClientSampleId :

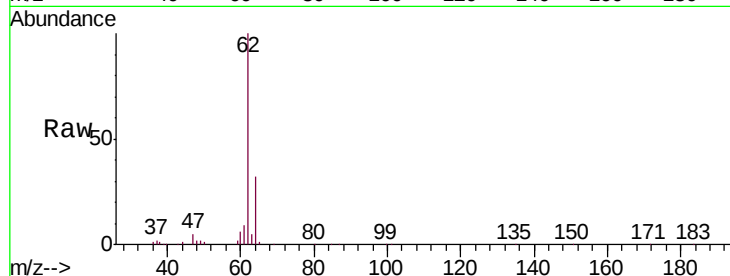
VSTDCCC010EC

Tgt Ion: 62 Resp: 515400

Ion Ratio Lower Upper

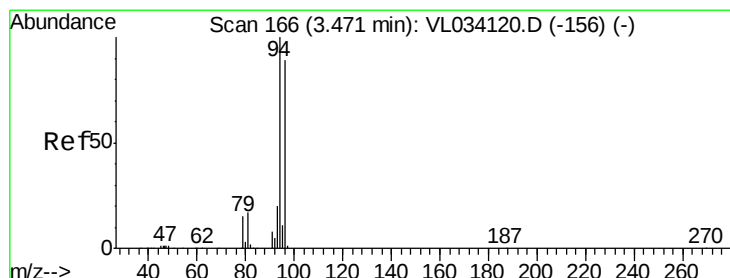
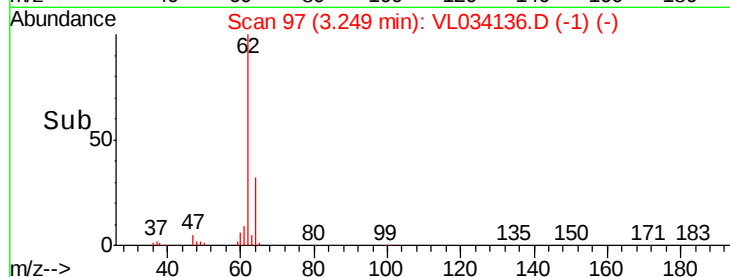
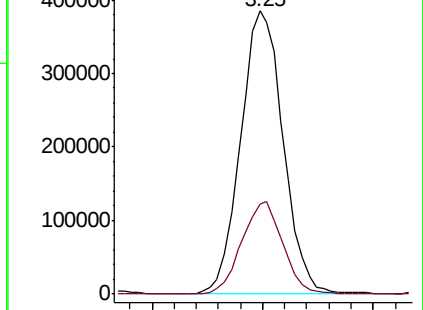
62 100

64 31.7 26.6 39.8



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.739 ppbv

RT: 3.47 min Scan# 166

Delta R.T. -0.00 min

Lab File: VL034136.D

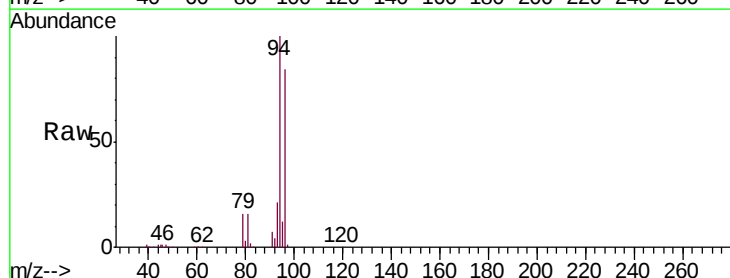
Acq: 5 Sep 2019 15:04

Tgt Ion: 94 Resp: 276390

Ion Ratio Lower Upper

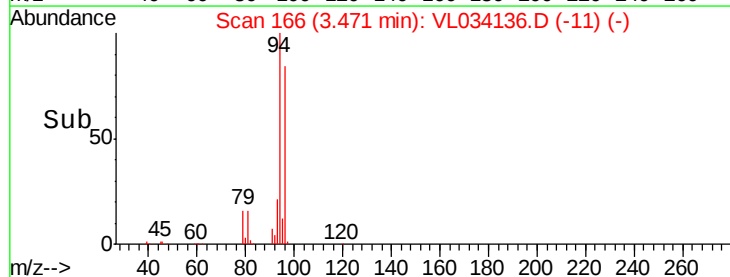
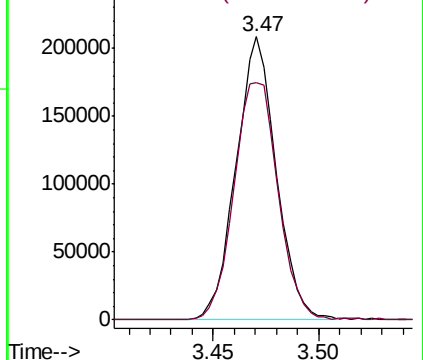
94 100

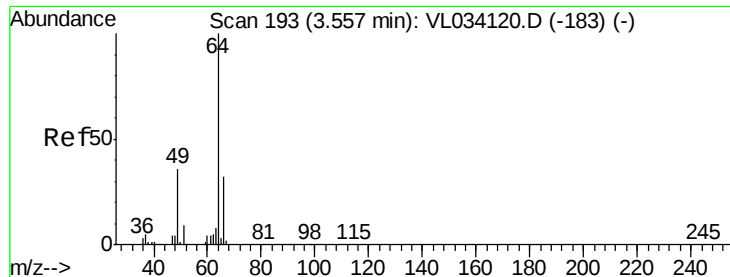
96 83.5 71.4 107.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.650 ppbv

RT: 3.55 min Scan# 192

Delta R.T. -0.00 min

Lab File: VL034136.D

Acq: 5 Sep 2019 15:04

Instrument :

MSVOA_L

ClientSampleId :

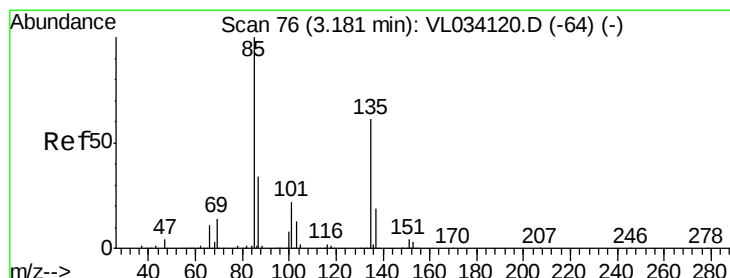
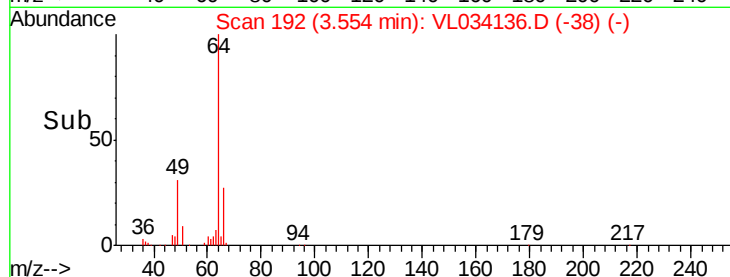
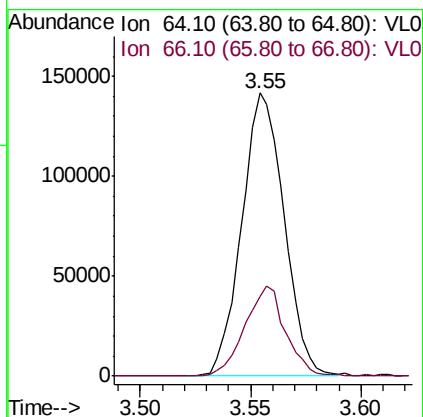
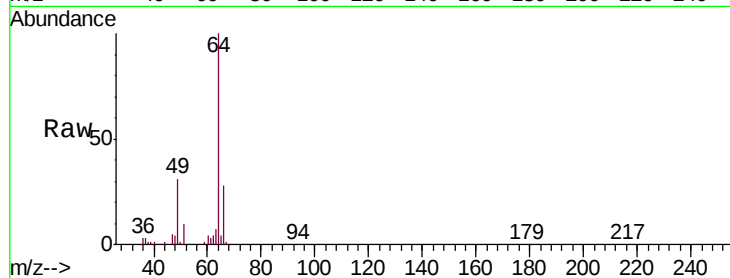
VSTDCCC010EC

Tgt Ion: 64 Resp: 189052

Ion Ratio Lower Upper

64 100

66 28.2 25.4 38.2



#8

Dichlorotetrafluoroethane

Concen: 9.239 ppbv

RT: 3.18 min Scan# 75

Delta R.T. -0.00 min

Lab File: VL034136.D

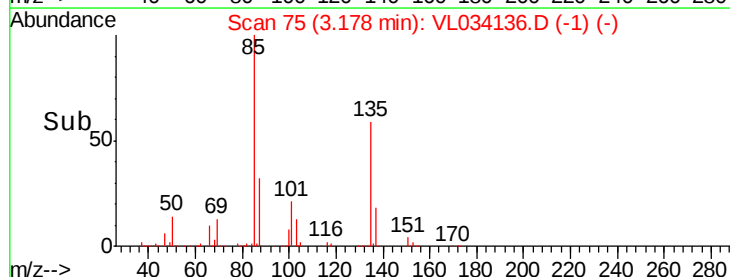
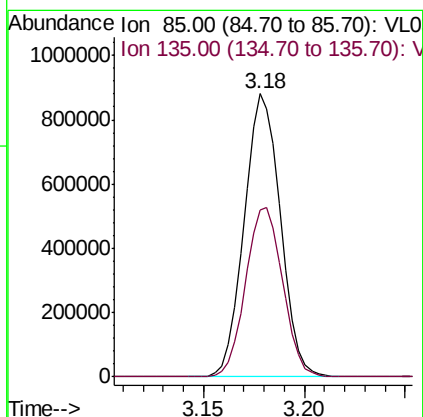
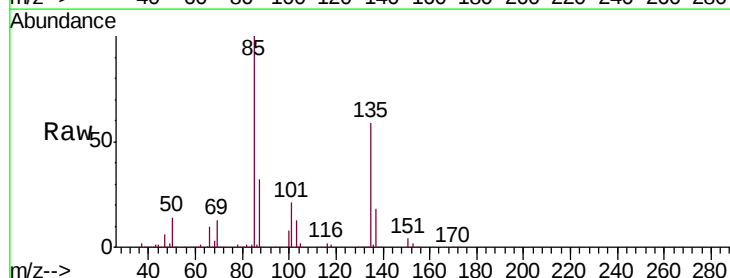
Acq: 5 Sep 2019 15:04

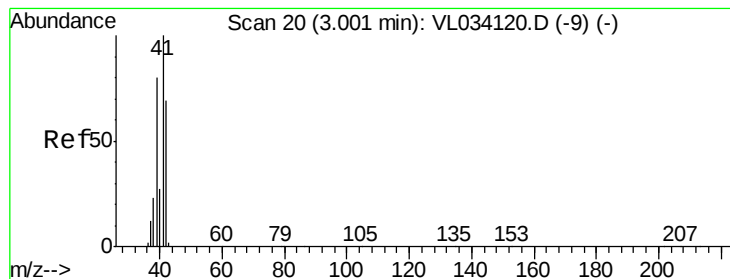
Tgt Ion: 85 Resp: 1111045

Ion Ratio Lower Upper

85 100

135 61.5 48.0 72.0





#9

Propene

Concen: 9.250 ppbv

RT: 3.00 min Scan# 19

Delta R.T. -0.00 min

Lab File: VL034136.D

Acq: 5 Sep 2019 15:04

Instrument :

MSVOA_L

ClientSampleId :

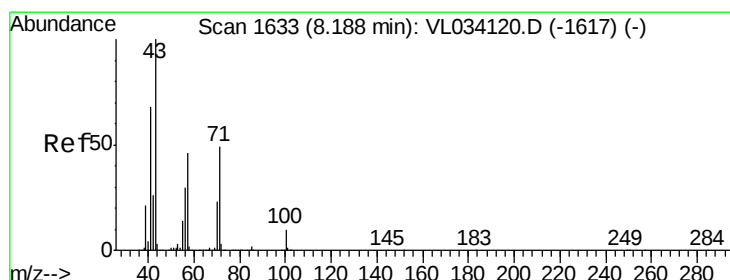
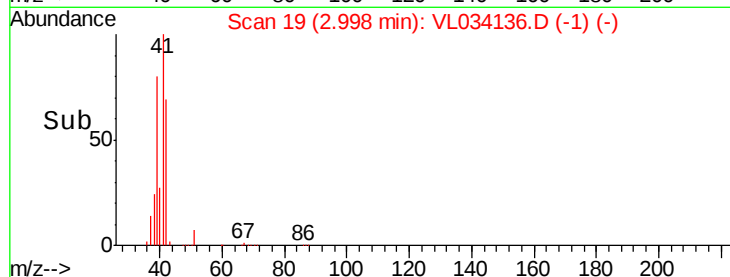
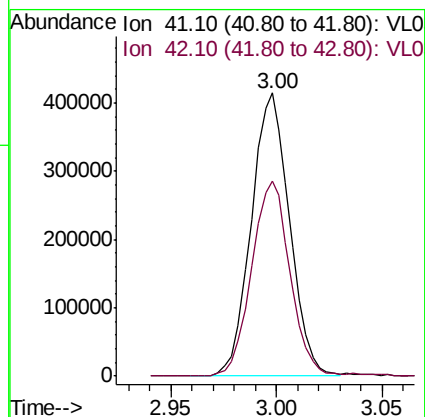
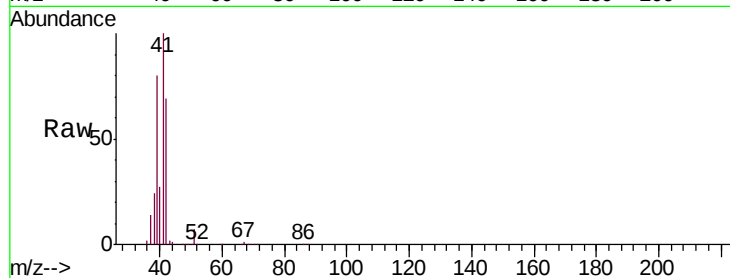
VSTDCCC010EC

Tgt Ion: 41 Resp: 522566

Ion Ratio Lower Upper

41 100

42 70.0 54.6 81.8



#10

Heptane

Concen: 9.494 ppbv

RT: 8.18 min Scan# 1631

Delta R.T. -0.01 min

Lab File: VL034136.D

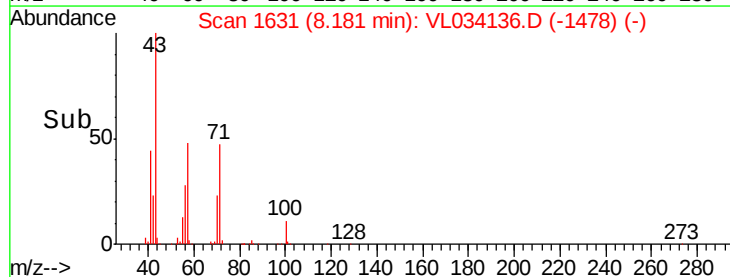
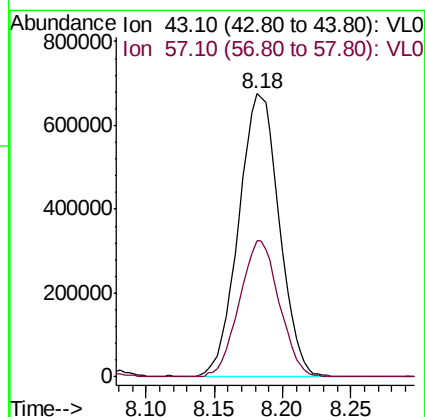
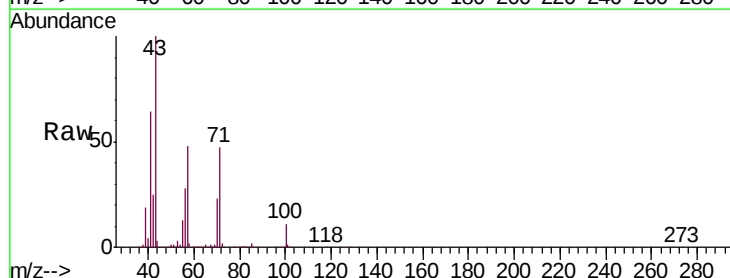
Acq: 5 Sep 2019 15:04

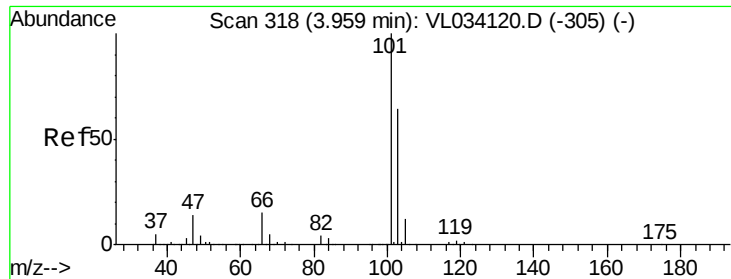
Tgt Ion: 43 Resp: 1392009

Ion Ratio Lower Upper

43 100

57 47.4 38.1 57.1

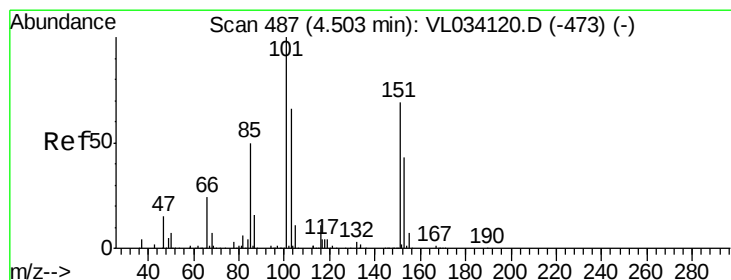
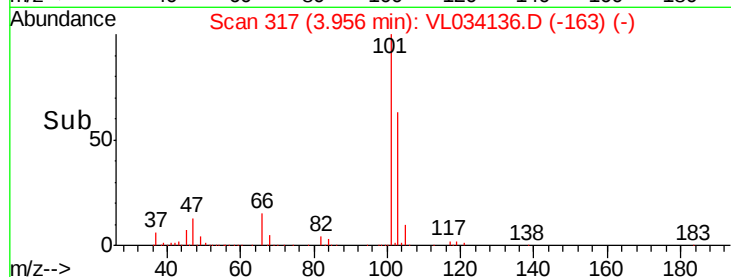
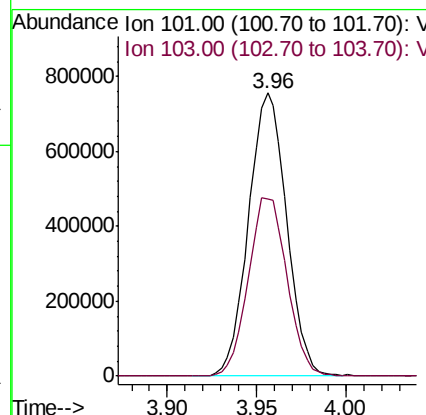
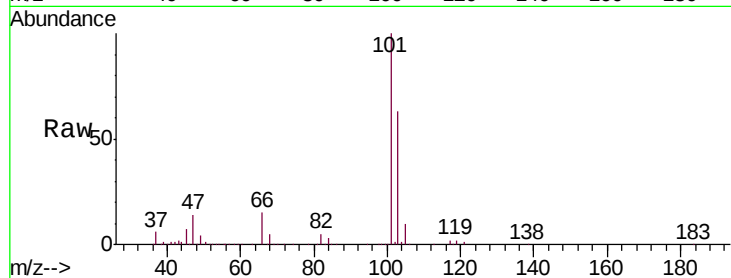




#11
 Trichlorofluoromethane
 Concen: 9.293 ppbv
 RT: 3.96 min Scan# 317
 Delta R.T. -0.00 min
 Lab File: VL034136.D
 Acq: 5 Sep 2019 15:04

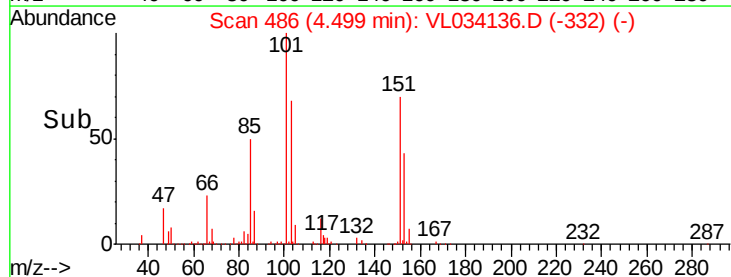
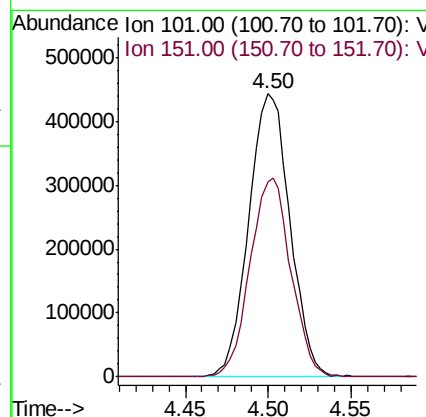
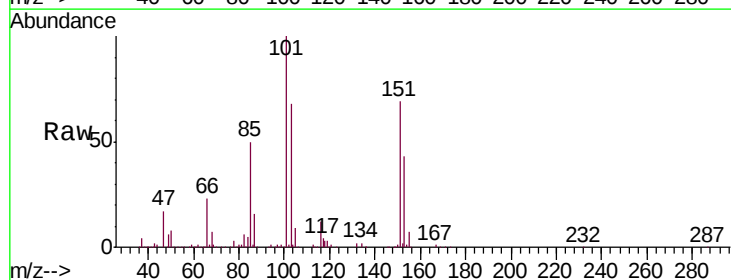
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

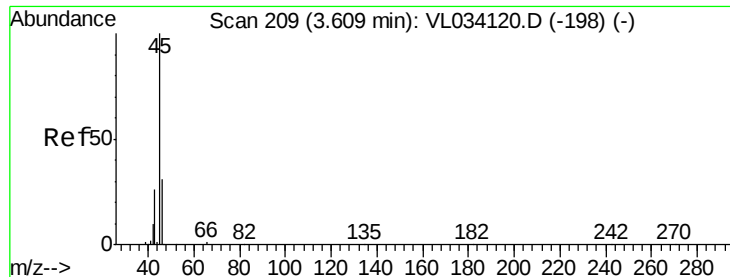
Tgt Ion:101 Resp: 1132356
 Ion Ratio Lower Upper
 101 100
 103 62.7 51.4 77.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.385 ppbv
 RT: 4.50 min Scan# 486
 Delta R.T. -0.00 min
 Lab File: VL034136.D
 Acq: 5 Sep 2019 15:04

Tgt Ion:101 Resp: 765022
 Ion Ratio Lower Upper
 101 100
 151 69.7 53.0 79.6





#13

Ethanol

Concen: 6.624 ppbv

RT: 3.61 min Scan# 209

Delta R.T. -0.00 min

Lab File: VL034136.D

Acq: 5 Sep 2019 15:04

Instrument :

MSVOA_L

ClientSampleId :

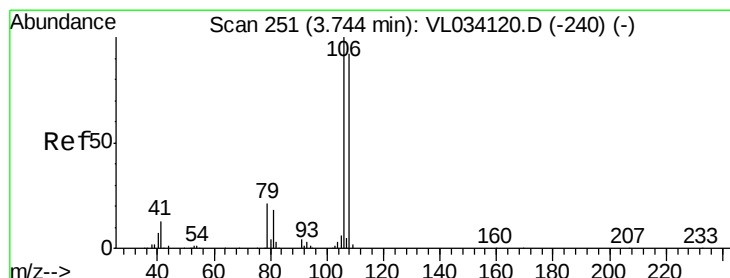
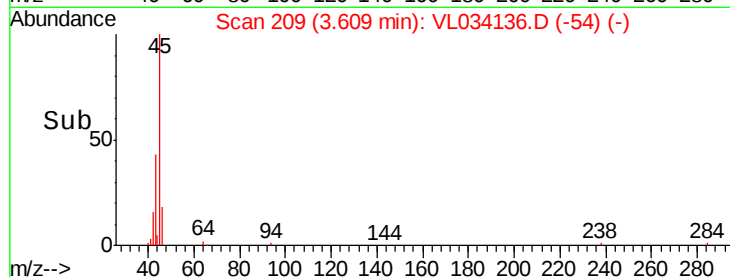
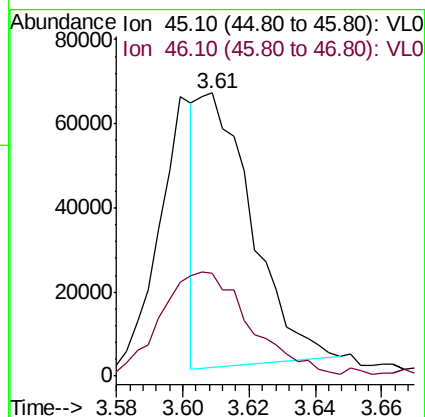
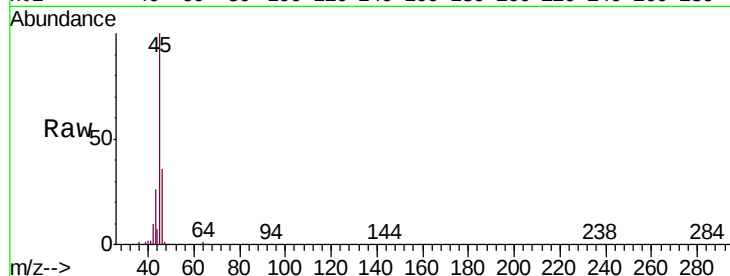
VSTDCCC010EC

Tgt Ion: 45 Resp: 73306

Ion Ratio Lower Upper

45 100

46 67.0 15.0 60.0#



#14

Bromoethene

Concen: 9.732 ppbv

RT: 3.74 min Scan# 250

Delta R.T. -0.00 min

Lab File: VL034136.D

Acq: 5 Sep 2019 15:04

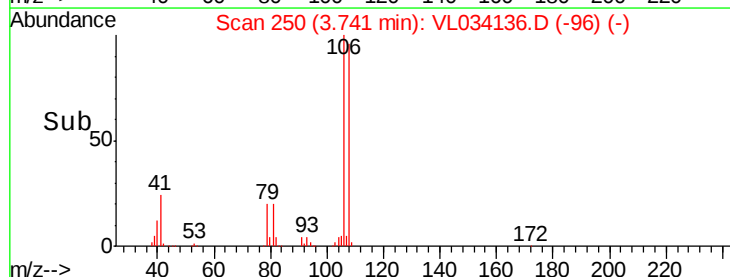
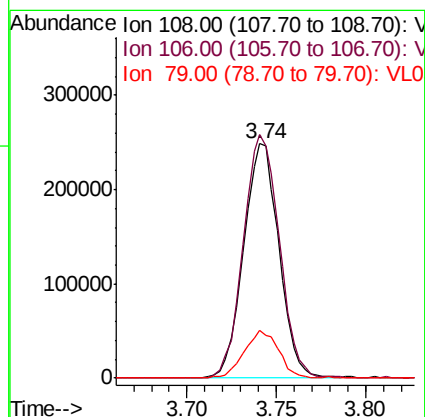
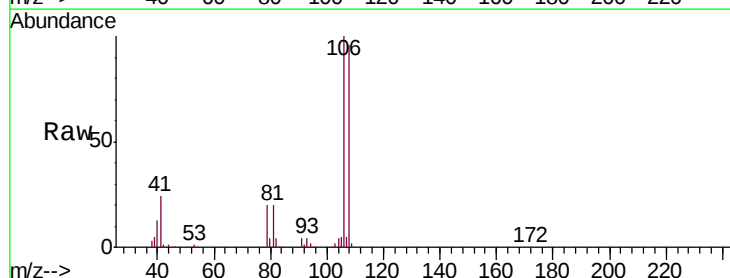
Tgt Ion: 108 Resp: 343460

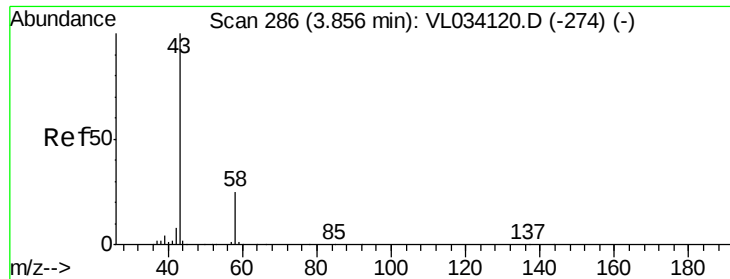
Ion Ratio Lower Upper

108 100

106 106.4 87.2 130.8

79 20.0 16.5 24.7





#15

Acetone

Concen: 8.968 ppbv

RT: 3.85 min Scan# 285

Delta R.T. -0.00 min

Lab File: VL034136.D

Acq: 5 Sep 2019 15:04

Instrument :

MSVOA_L

ClientSampleId :

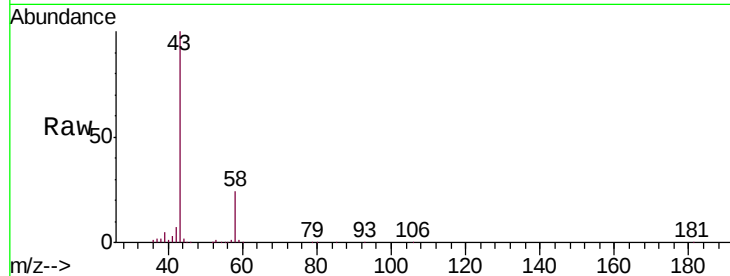
VSTDCCC010EC

Tgt Ion: 43 Resp: 979087

Ion Ratio Lower Upper

43 100

58 25.5 20.6 30.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.85

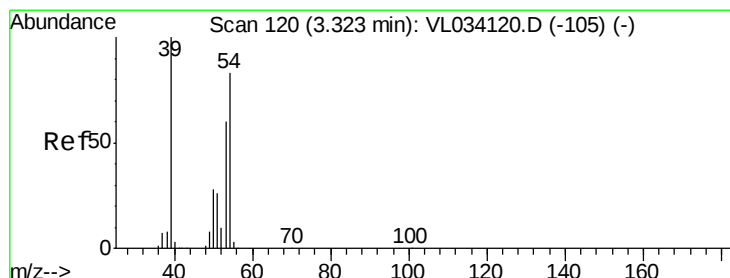
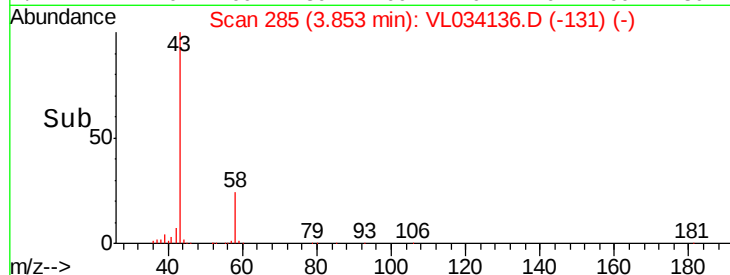
600000

400000

200000

0

Time-->



#16

1,3-Butadiene

Concen: 9.503 ppbv

RT: 3.32 min Scan# 120

Delta R.T. -0.00 min

Lab File: VL034136.D

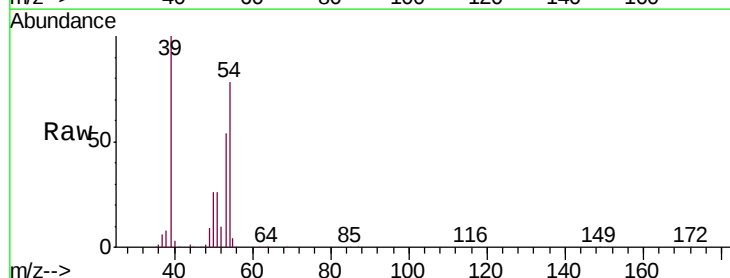
Acq: 5 Sep 2019 15:04

Tgt Ion: 39 Resp: 525399

Ion Ratio Lower Upper

39 100

54 76.2 63.5 95.3



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.32

400000

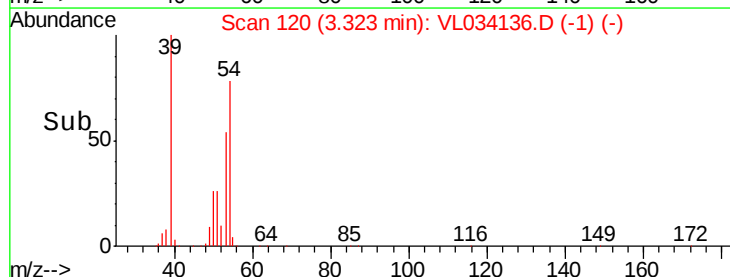
300000

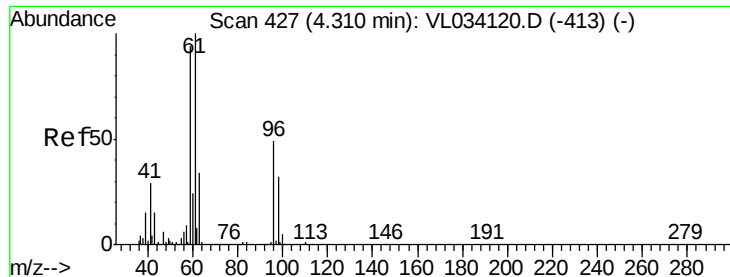
200000

100000

0

Time-->





#17

tert-Butyl alcohol

Concen: 11.229 ppbv

RT: 4.31 min Scan# 426

Delta R.T. -0.00 min

Lab File: VL034136.D

Acq: 5 Sep 2019 15:04

Instrument :

MSVOA_L

ClientSampleId :

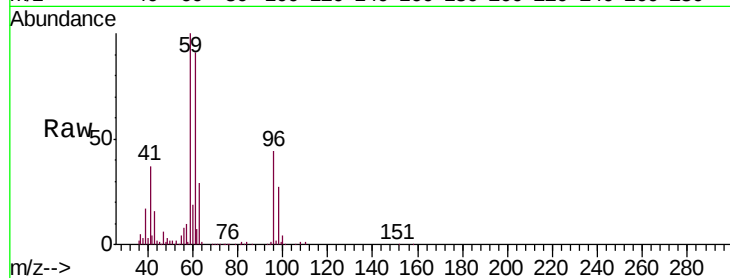
VSTDCCC010EC

Tgt Ion: 59 Resp: 889948

Ion Ratio Lower Upper

59 100

57 11.0 8.6 12.8



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.31

500000

400000

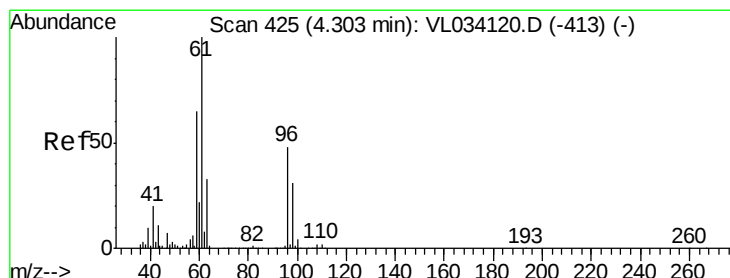
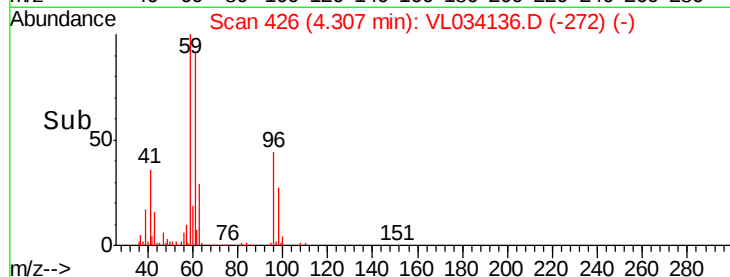
300000

200000

100000

0

Time-->



#18

1,1-Dichloroethene

Concen: 9.707 ppbv

RT: 4.30 min Scan# 424

Delta R.T. -0.00 min

Lab File: VL034136.D

Acq: 5 Sep 2019 15:04

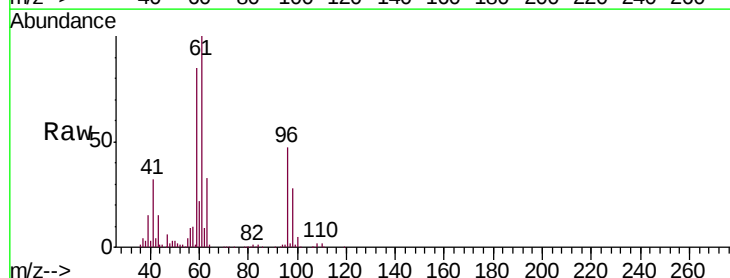
Tgt Ion: 96 Resp: 361542

Ion Ratio Lower Upper

96 100

61 212.8 165.8 248.8

98 60.0 50.8 76.2



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

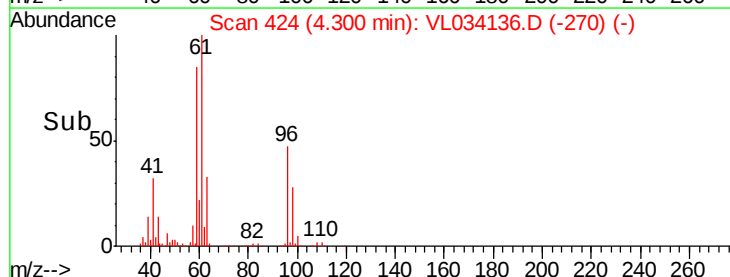
600000

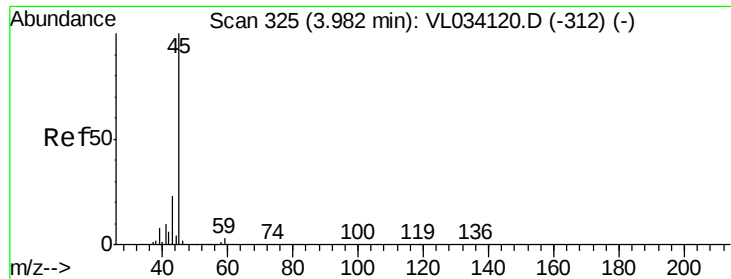
400000

200000

0

Time-->



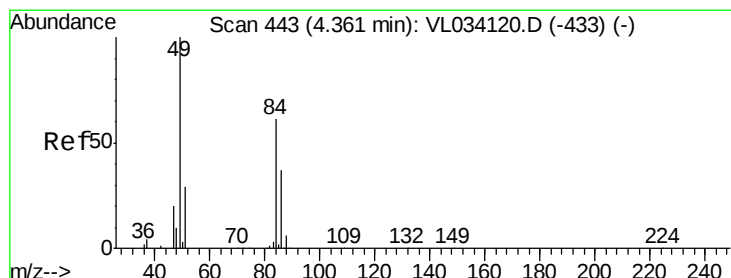
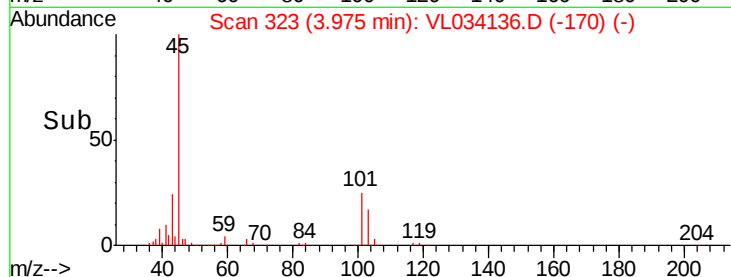
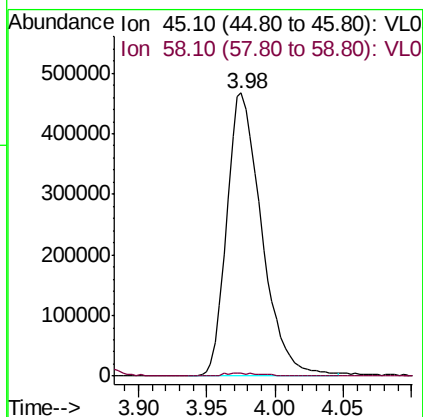
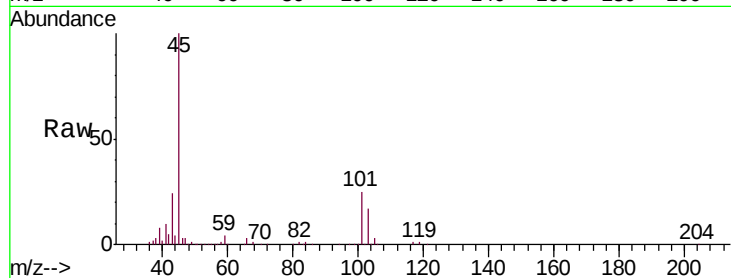


#19

Isopropyl Alcohol
 Concen: 11.322 ppbv
 RT: 3.98 min Scan# 323
 Delta R.T. -0.01 min
 Lab File: VL034136.D
 Acq: 5 Sep 2019 15:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

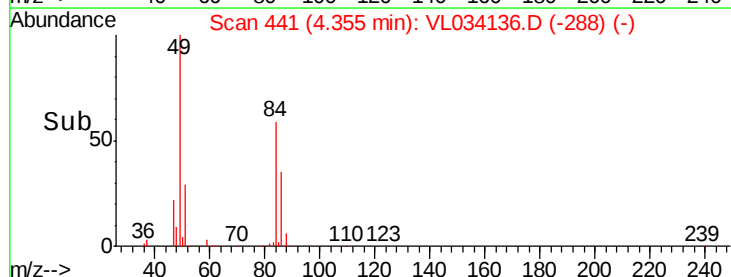
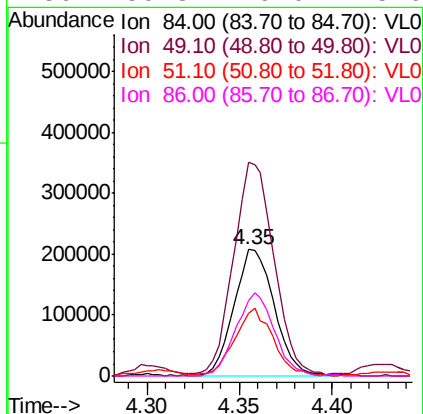
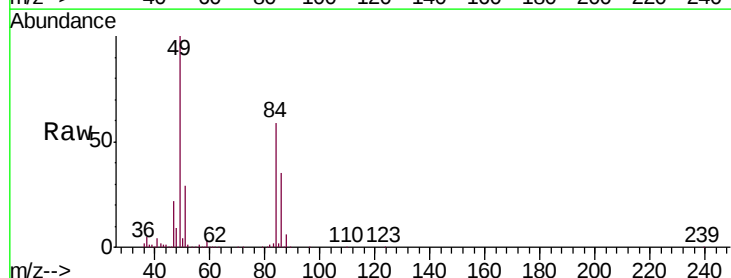
Tgt Ion: 45 Resp: 834299
 Ion Ratio Lower Upper
 45 100
 58 1.4 1.0 1.6

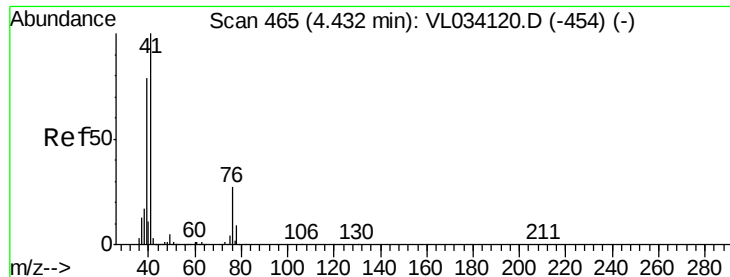


#20

Methylene Chloride
 Concen: 8.699 ppbv
 RT: 4.35 min Scan# 441
 Delta R.T. -0.01 min
 Lab File: VL034136.D
 Acq: 5 Sep 2019 15:04

Tgt Ion: 84 Resp: 313983
 Ion Ratio Lower Upper
 84 100
 49 167.1 131.0 196.6
 51 49.2 38.1 57.1
 86 59.3 49.0 73.6





#21

Allyl Chloride

Concen: 9.579 ppbv

RT: 4.43 min Scan# 463

Delta R.T. -0.01 min

Lab File: VL034136.D

Acq: 5 Sep 2019 15:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

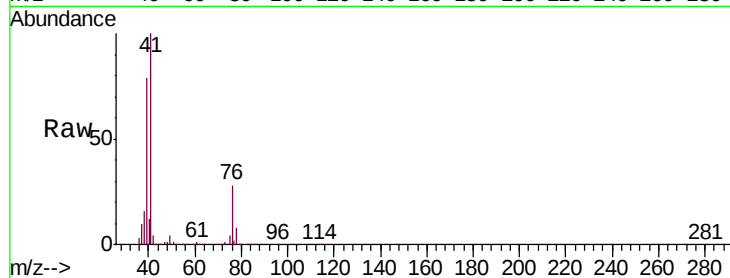
Tgt Ion: 41 Resp: 689389

Ion Ratio Lower Upper

41 100

76 25.9 21.6 32.4

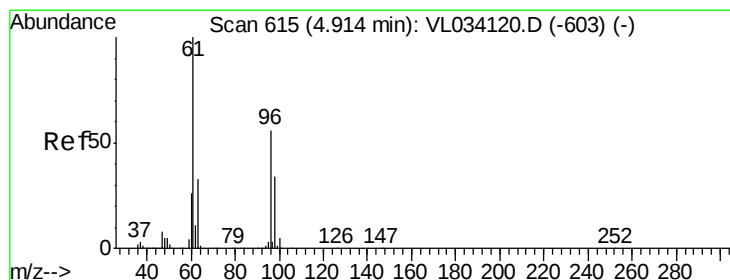
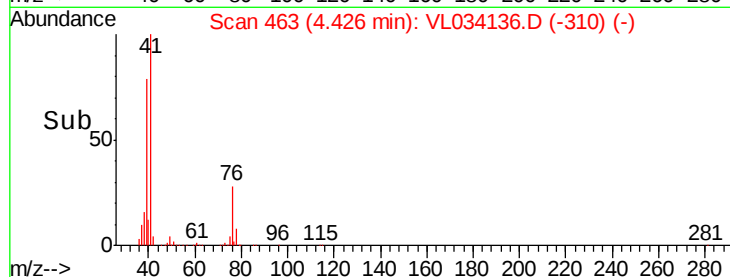
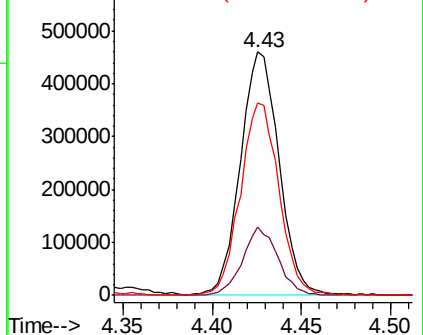
39 79.2 65.0 97.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 9.514 ppbv

RT: 4.91 min Scan# 613

Delta R.T. -0.01 min

Lab File: VL034136.D

Acq: 5 Sep 2019 15:04

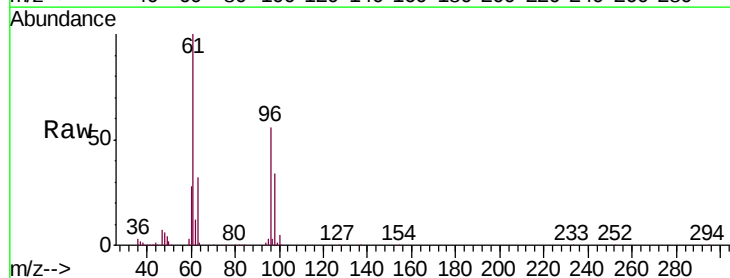
Tgt Ion: 96 Resp: 354663

Ion Ratio Lower Upper

96 100

61 177.4 143.1 214.7

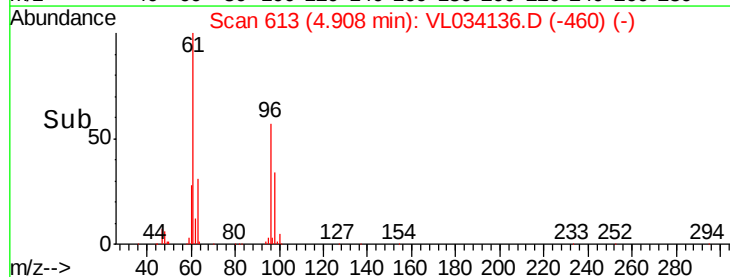
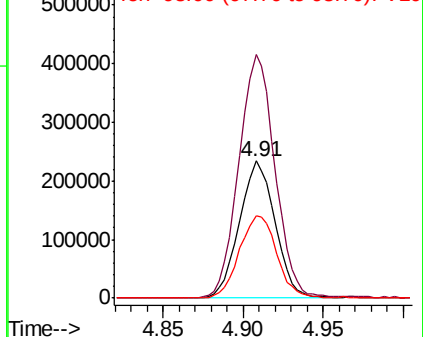
98 60.0 49.0 73.4

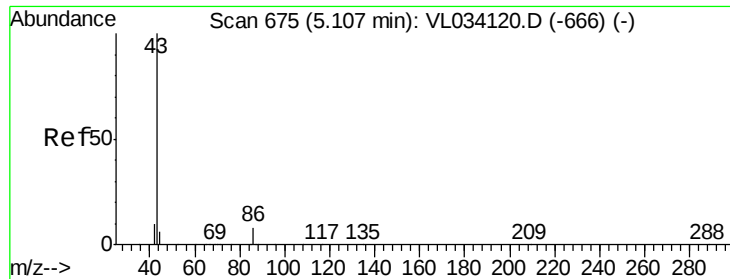


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.550 ppbv

RT: 5.10 min Scan# 673

Delta R.T. -0.01 min

Lab File: VL034136.D

Acq: 5 Sep 2019 15:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1768787

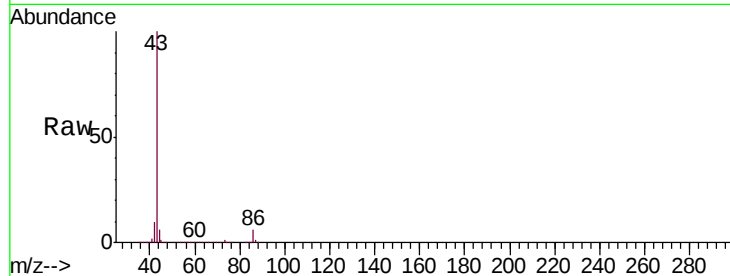
Ion Ratio Lower Upper

43 100

86 6.5 5.5 8.3

42 9.8 8.2 12.4

44 5.5 4.3 6.5

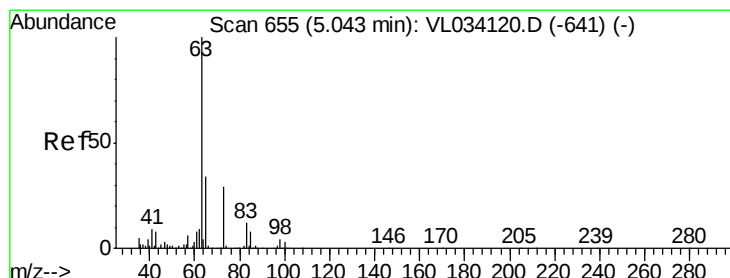
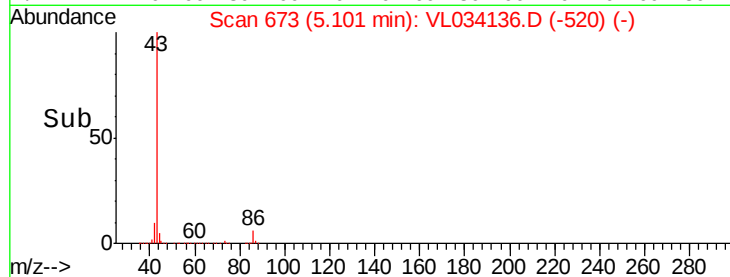
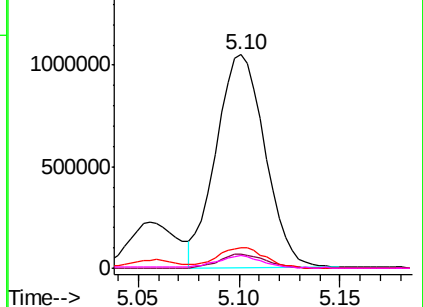


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.181 ppbv

RT: 5.04 min Scan# 653

Delta R.T. -0.01 min

Lab File: VL034136.D

Acq: 5 Sep 2019 15:04

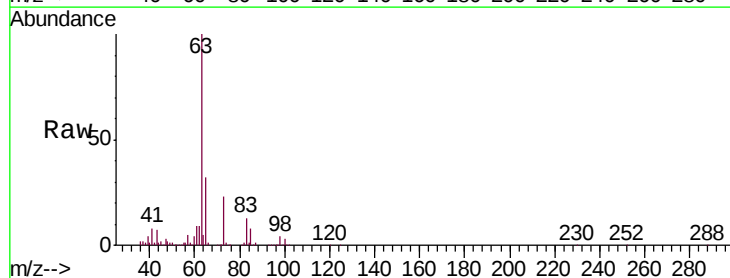
Tgt Ion: 63 Resp: 1128571

Ion Ratio Lower Upper

63 100

98 3.9 2.1 6.2

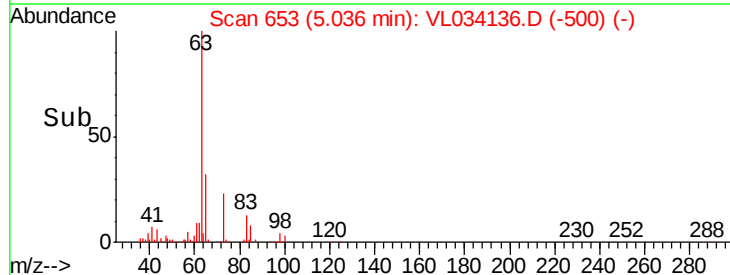
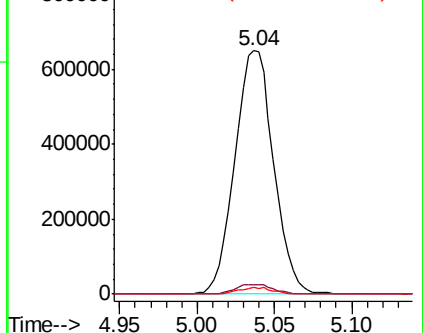
100 2.6 1.4 4.0

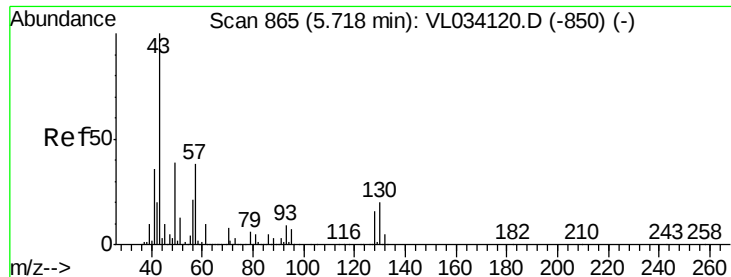


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

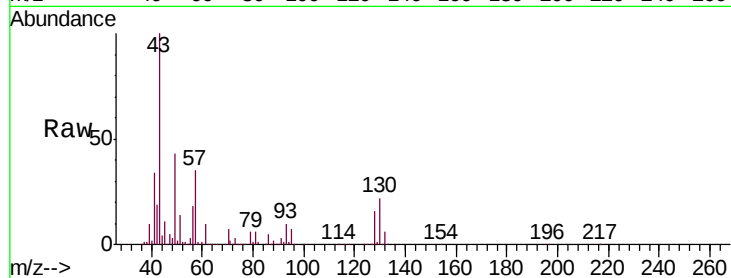




#25
Ethyl Acetate
Concen: 8.782 ppbv
RT: 5.71 min Scan# 863
Delta R.T. -0.01 min
Lab File: VL034136.D
Acq: 5 Sep 2019 15:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:	43	Resp:	2104533
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.2	12.4
61	8.9	7.4	11.2
70	6.9	5.6	8.4



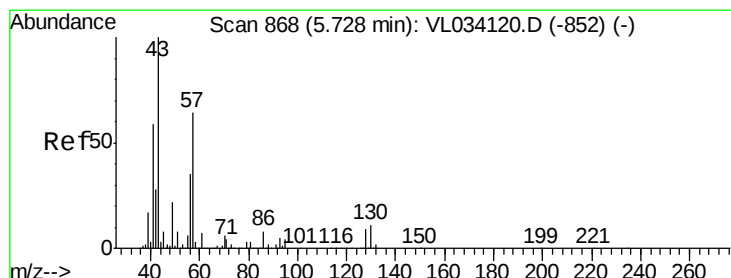
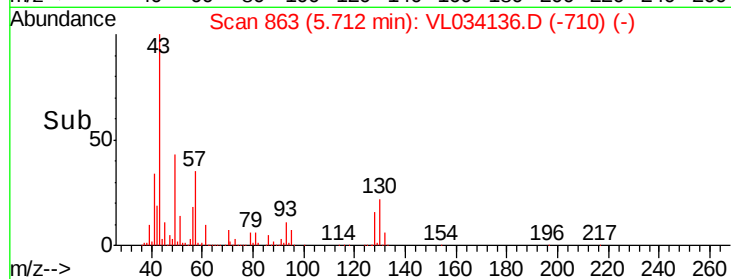
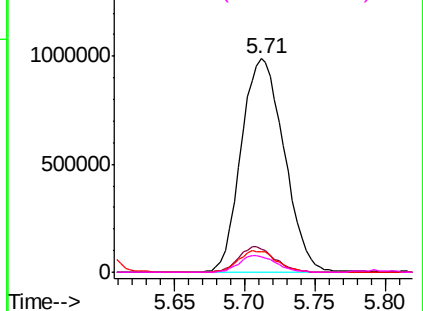
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

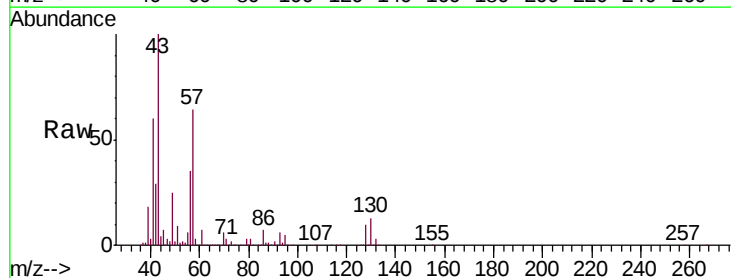
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 8.685 ppbv
RT: 5.72 min Scan# 866
Delta R.T. -0.01 min
Lab File: VL034136.D
Acq: 5 Sep 2019 15:04

Tgt Ion:	57	Resp:	925356
Ion	Ratio	Lower	Upper
57	100		
41	95.7	76.6	115.0
43	228.7	189.2	283.8
56	52.7	43.0	64.4



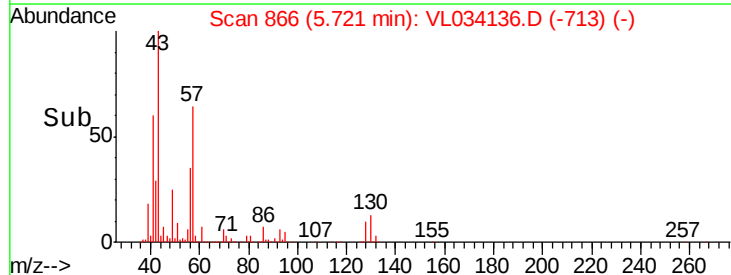
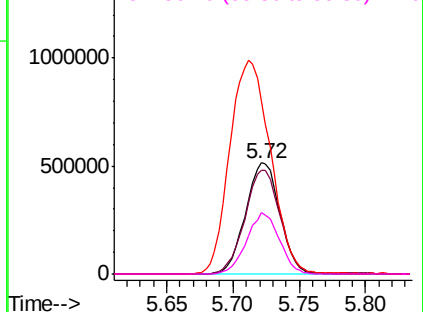
Abundance

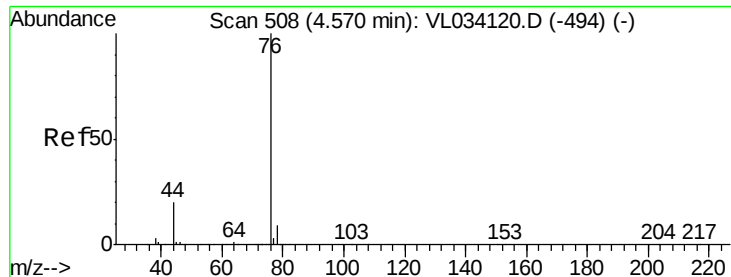
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 9.610 ppbv

RT: 4.57 min Scan# 507

Delta R.T. -0.00 min

Lab File: VL034136.D

Acq: 5 Sep 2019 15:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

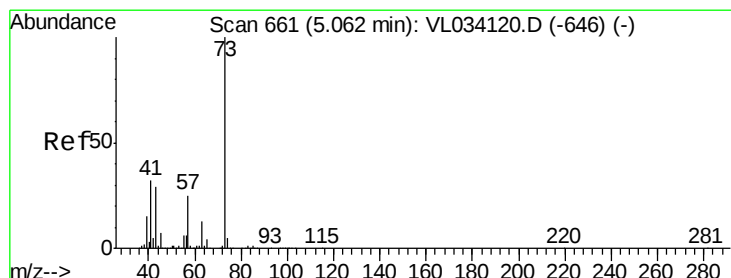
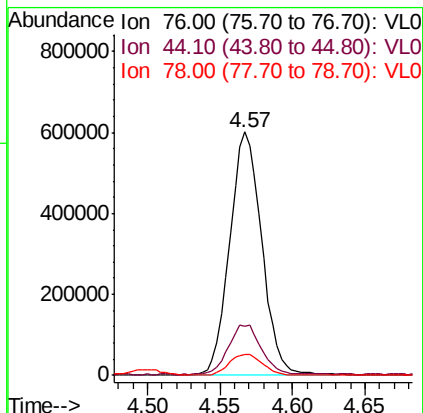
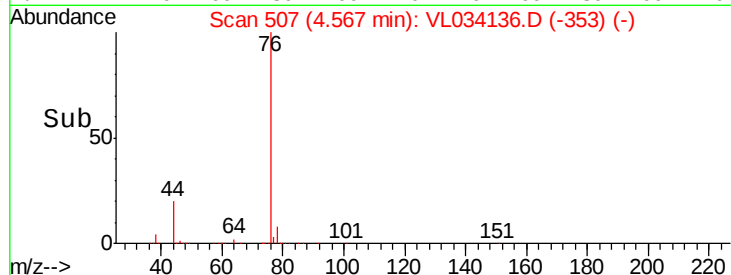
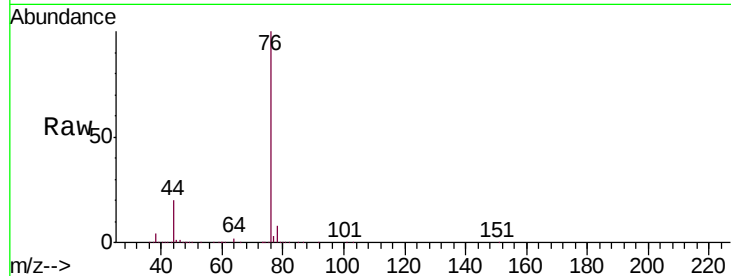
Tgt Ion: 76 Resp: 924074

Ion Ratio Lower Upper

76 100

44 21.4 17.6 26.4

78 9.0 7.3 10.9



#28

Methyl tert-Butyl Ether

Concen: 9.277 ppbv

RT: 5.06 min Scan# 660

Delta R.T. -0.00 min

Lab File: VL034136.D

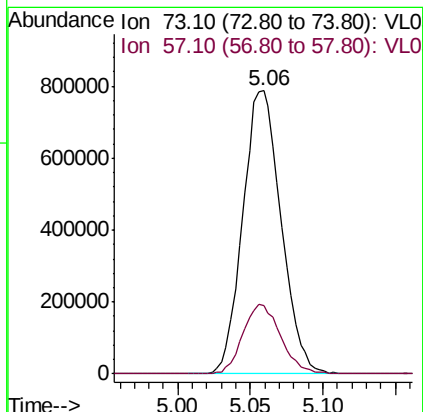
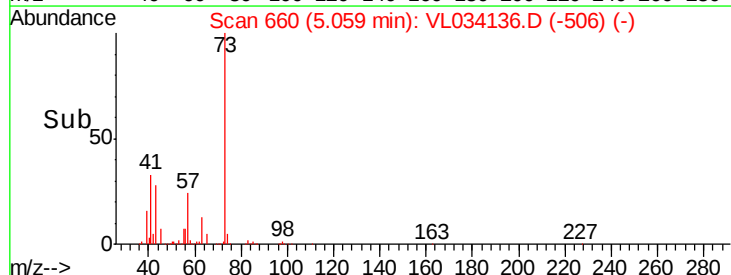
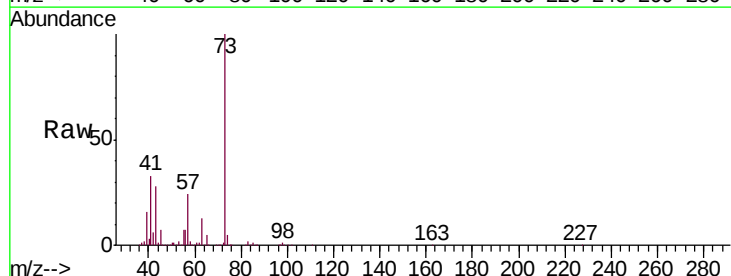
Acq: 5 Sep 2019 15:04

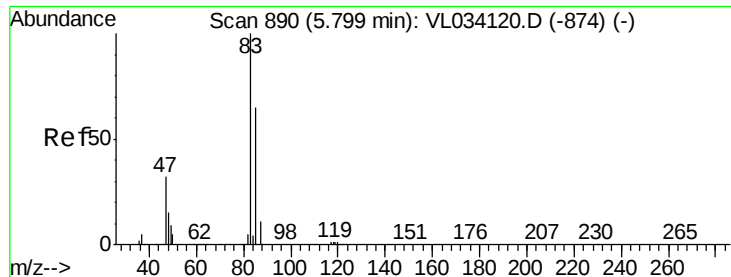
Tgt Ion: 73 Resp: 1448205

Ion Ratio Lower Upper

73 100

57 24.4 19.8 29.8





#29

Chloroform

Concen: 9.294 ppbv

RT: 5.80 min Scan# 889

Delta R.T. -0.00 min

Lab File: VL034136.D

Acq: 5 Sep 2019 15:04

Instrument :

MSVOA_L

ClientSampleId :

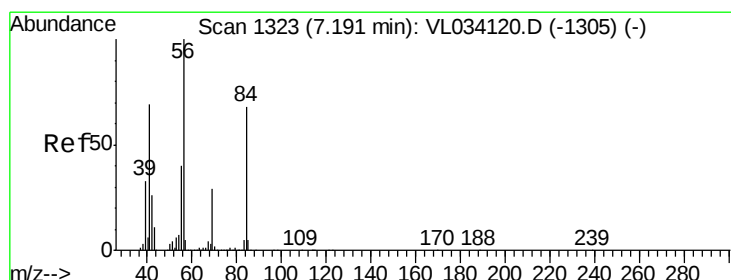
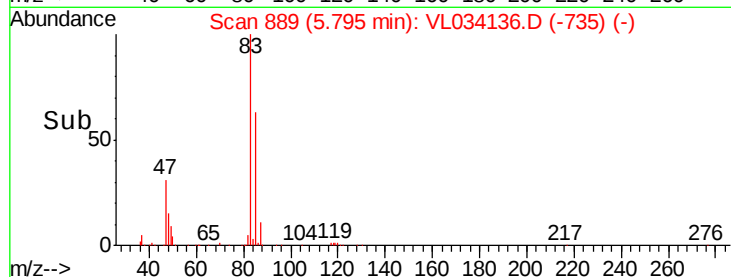
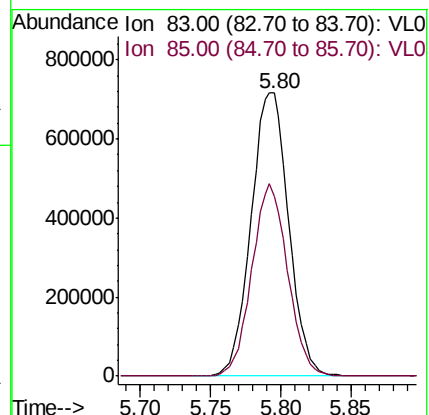
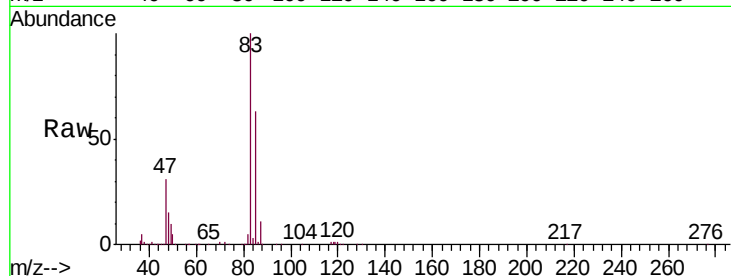
VSTDCCC010EC

Tgt Ion: 83 Resp: 1335563

Ion Ratio Lower Upper

83 100

85 63.1 51.8 77.6



#30

Cyclohexane

Concen: 9.732 ppbv

RT: 7.18 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VL034136.D

Acq: 5 Sep 2019 15:04

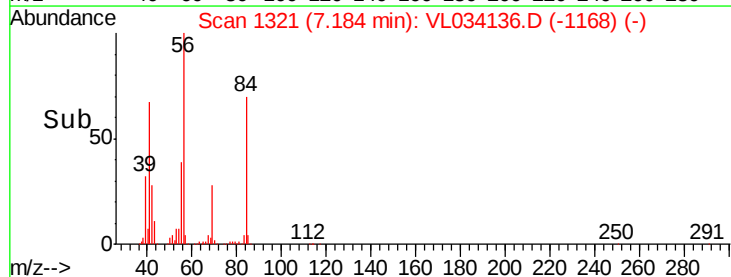
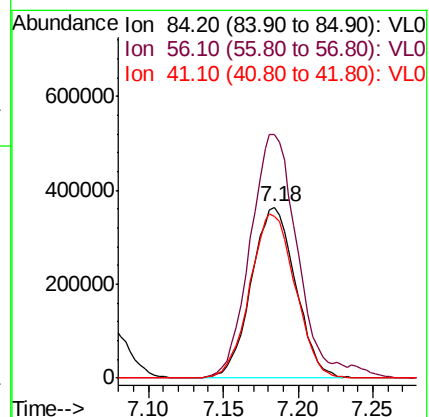
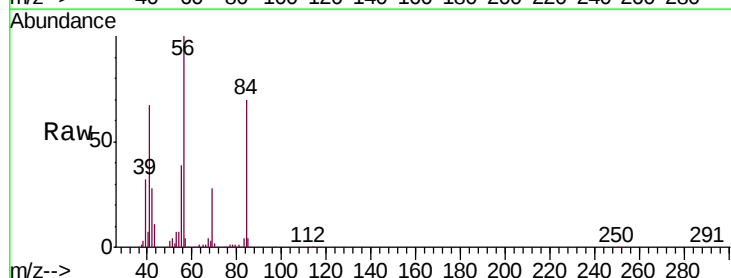
Tgt Ion: 84 Resp: 749643

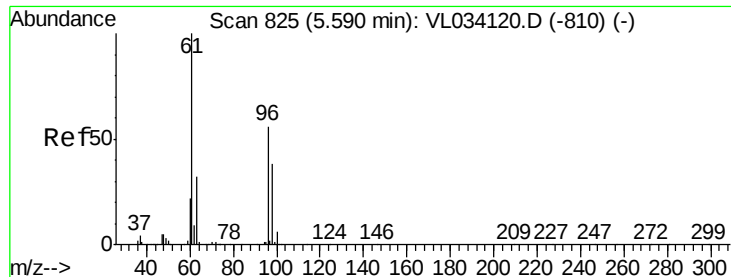
Ion Ratio Lower Upper

84 100

56 154.1 122.6 183.8

41 98.2 79.1 118.7



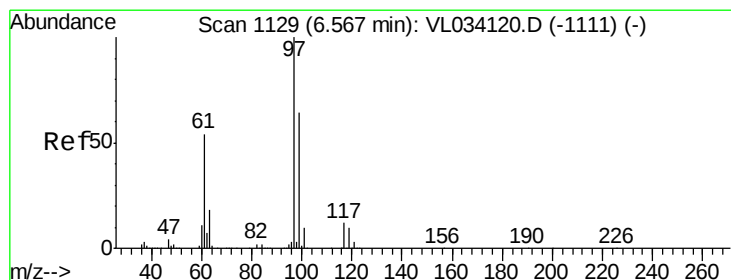
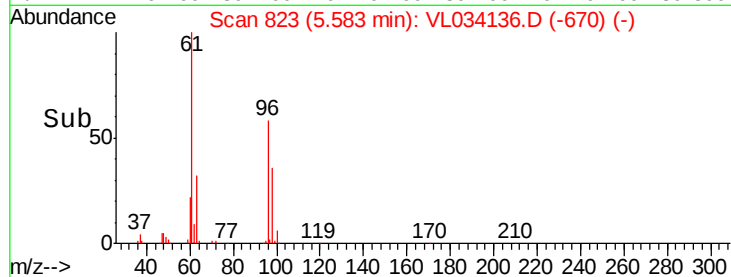
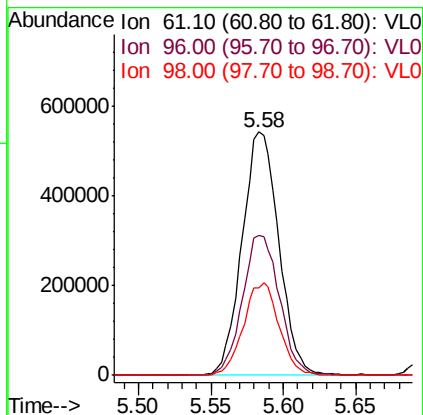
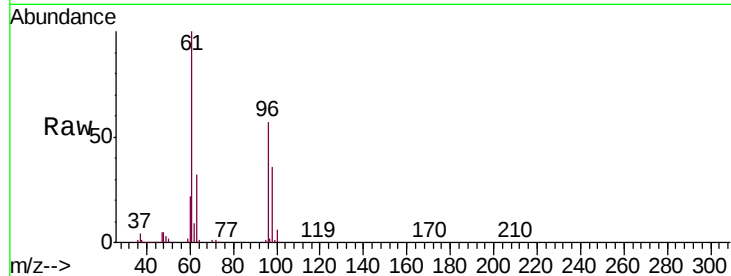


#31

cis-1,2-Dichloroethene
 Concen: 9.391 ppbv
 RT: 5.58 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: VL034136.D
 Acq: 5 Sep 2019 15:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

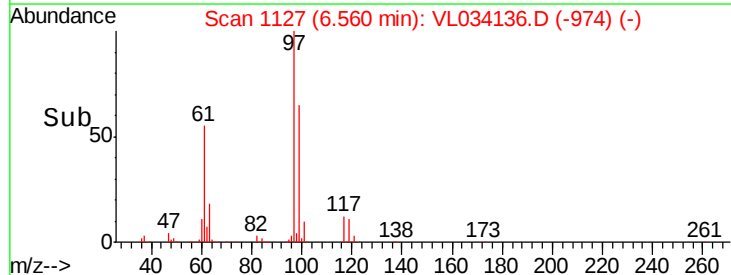
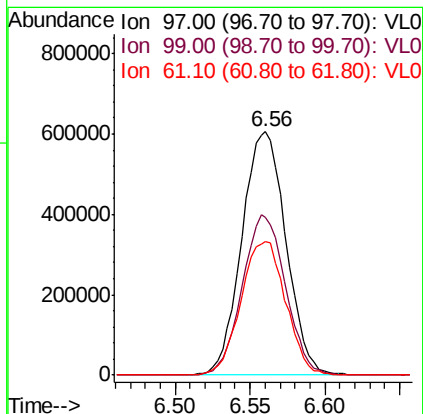
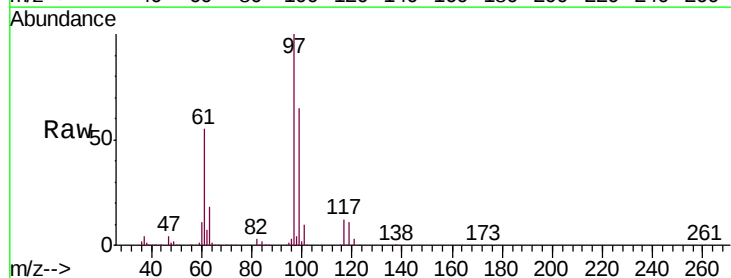
Tgt Ion:	61	Resp:	958210
Ion	Ratio	Lower	Upper
61	100		
96	57.5	44.4	66.6
98	35.9	30.0	45.0

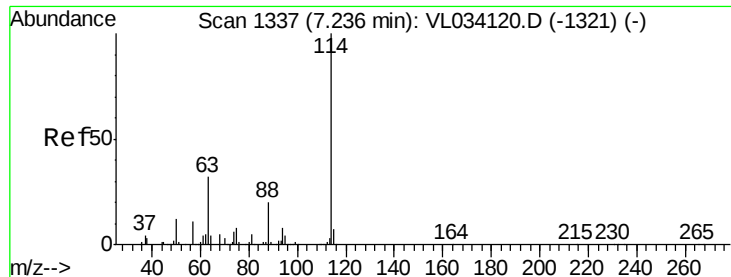


#32

1,1,1-Trichloroethane
 Concen: 9.147 ppbv
 RT: 6.56 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: VL034136.D
 Acq: 5 Sep 2019 15:04

Tgt Ion:	97	Resp:	1241846
Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.7	77.5
61	56.1	44.0	66.0

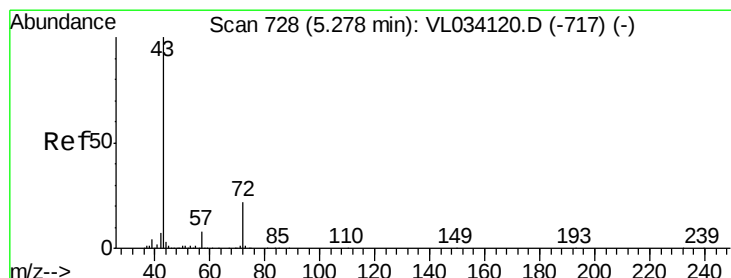
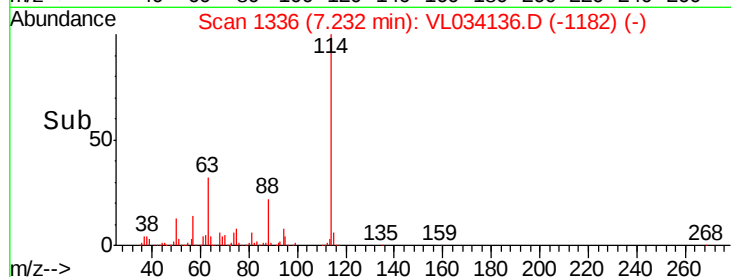
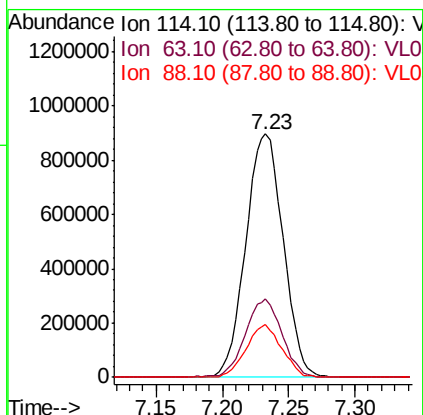
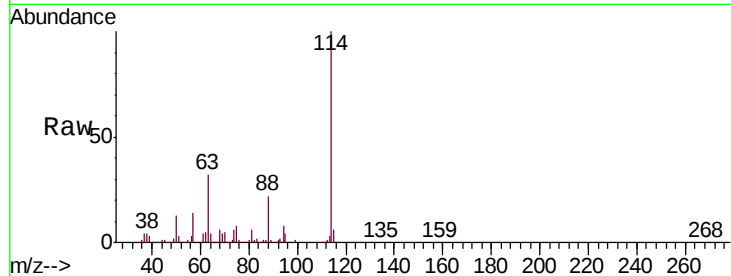




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.23 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VL034136.D
 Acq: 5 Sep 2019 15:04

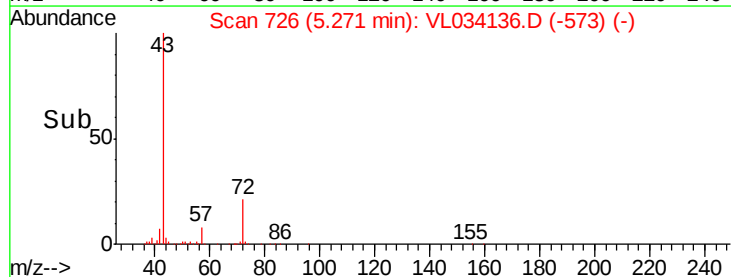
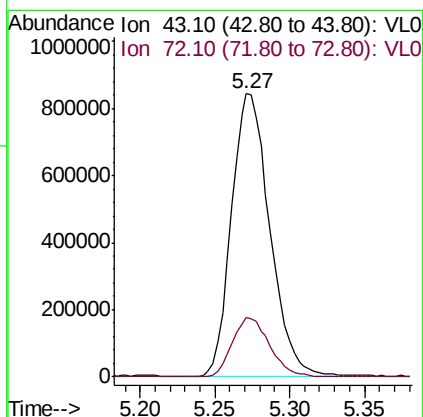
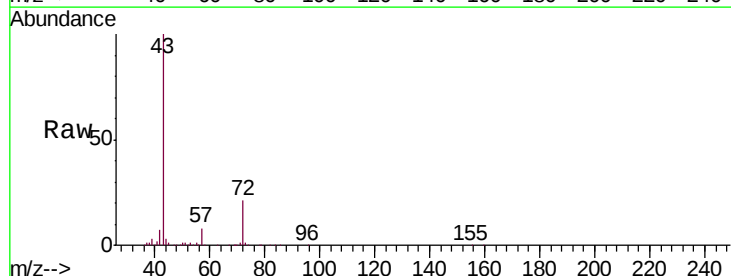
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

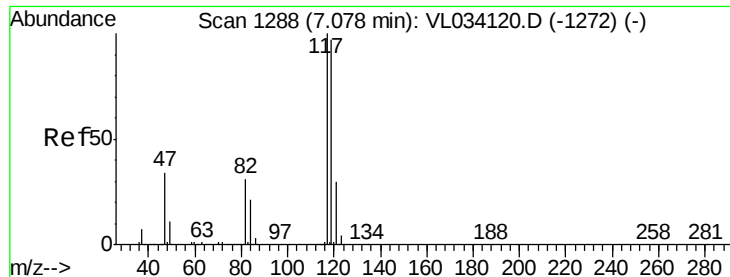
Tgt Ion: 114 Resp: 1758969
 Ion Ratio Lower Upper
 114 100
 63 31.8 25.5 38.3
 88 20.7 16.8 25.2



#34
 2-Butanone
 Concen: 8.870 ppbv
 RT: 5.27 min Scan# 726
 Delta R.T. -0.01 min
 Lab File: VL034136.D
 Acq: 5 Sep 2019 15:04

Tgt Ion: 43 Resp: 1499909
 Ion Ratio Lower Upper
 43 100
 72 20.8 16.5 24.7





#35

Carbon Tetrachloride

Concen: 8.647 ppbv

RT: 7.07 min Scan# 1286

Delta R.T. -0.01 min

Lab File: VL034136.D

Acq: 5 Sep 2019 15:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

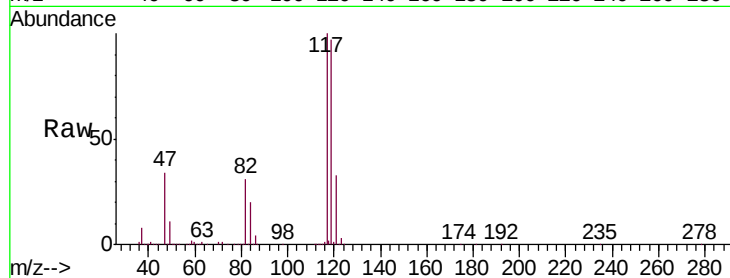
Tgt Ion: 117 Resp: 1185875

Ion Ratio Lower Upper

117 100

119 97.3 77.2 115.8

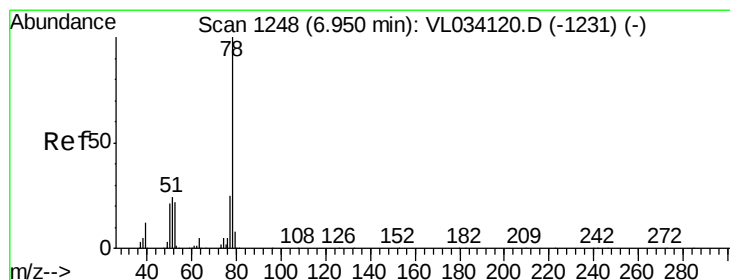
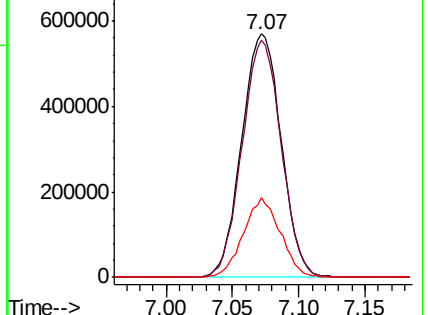
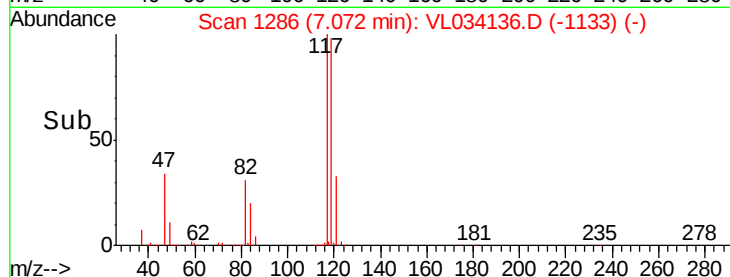
121 32.6 24.2 36.4



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: 9.010 ppbv

RT: 6.94 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VL034136.D

Acq: 5 Sep 2019 15:04

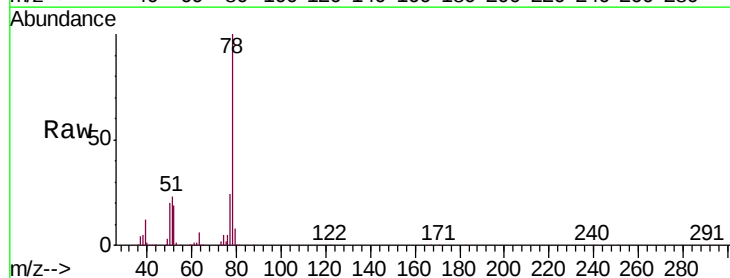
Tgt Ion: 78 Resp: 1811575

Ion Ratio Lower Upper

78 100

77 23.5 20.3 30.5

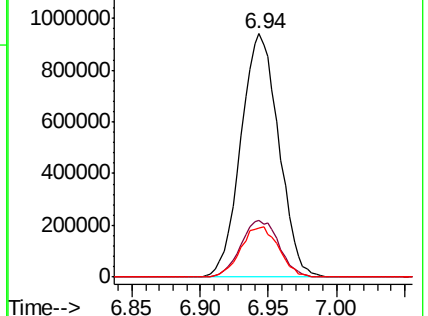
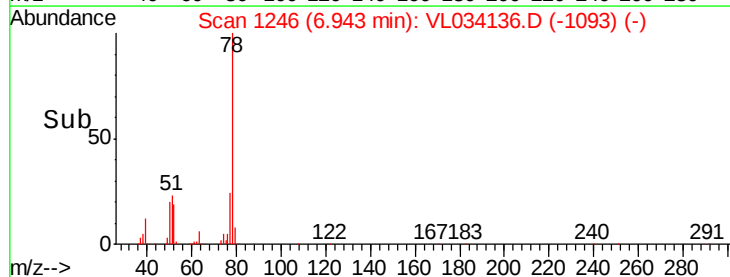
50 20.2 16.9 25.3

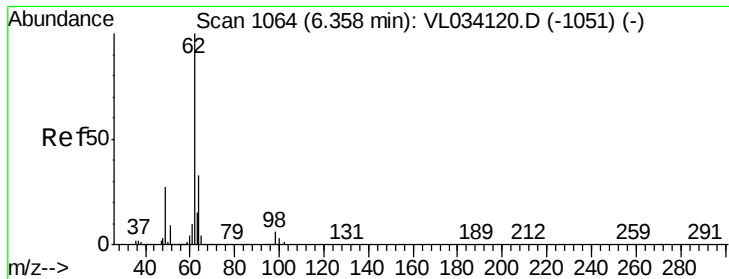


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 8.797 ppbv

RT: 6.35 min Scan# 1062

Delta R.T. -0.01 min

Lab File: VL034136.D

Acq: 5 Sep 2019 15:04

Instrument :

MSVOA_L

ClientSampleId :

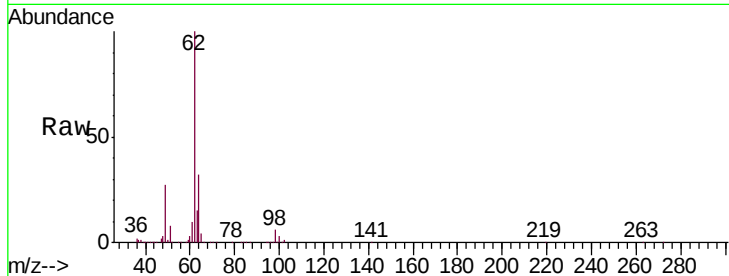
VSTDCCC010EC

Tgt Ion: 62 Resp: 1084971

Ion Ratio Lower Upper

62 100

98 5.7 4.4 6.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.35

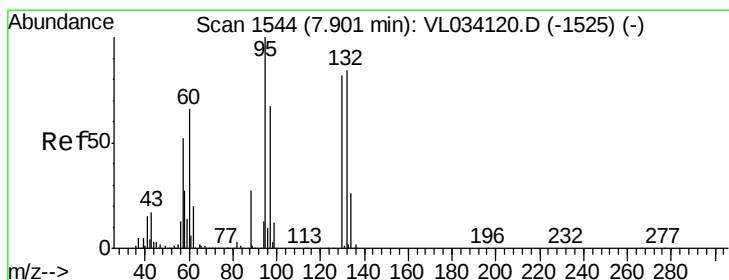
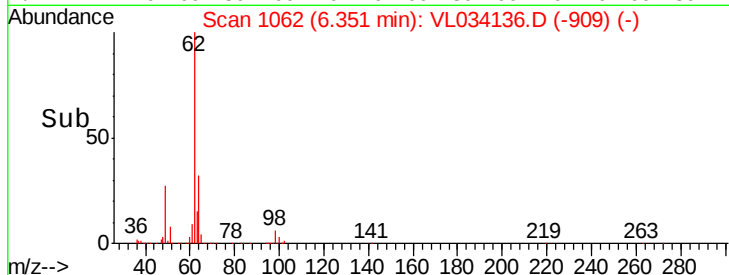
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 7.771 ppbv

RT: 7.90 min Scan# 1543

Delta R.T. -0.00 min

Lab File: VL034136.D

Acq: 5 Sep 2019 15:04

Tgt Ion: 130 Resp: 583027

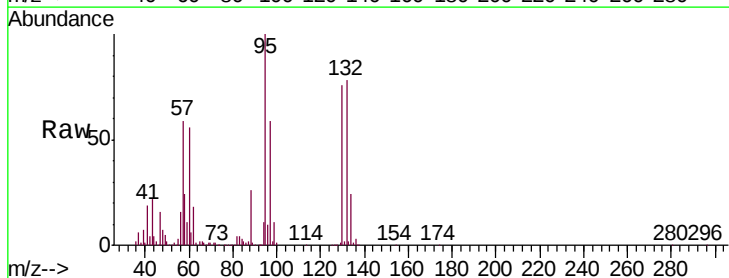
Ion Ratio Lower Upper

130 100

95 132.5 97.2 145.8

132 103.0 81.4 122.2

97 78.2 64.8 97.2



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

600000

500000

400000

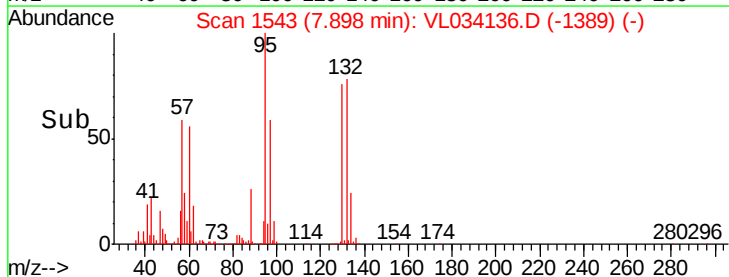
300000

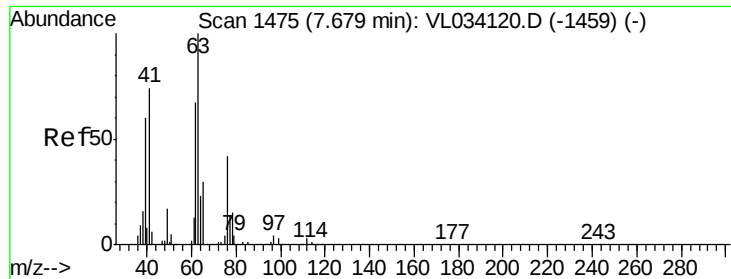
200000

100000

0

Time-->

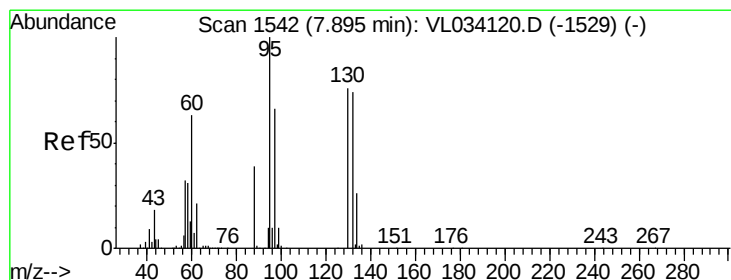
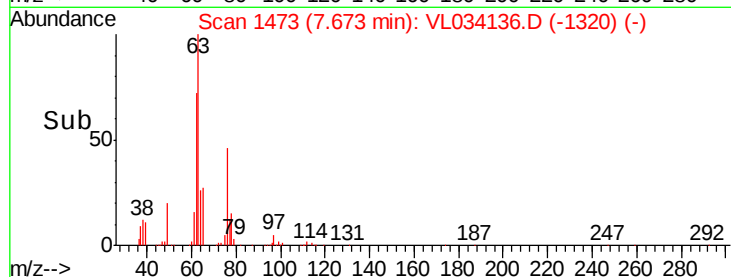
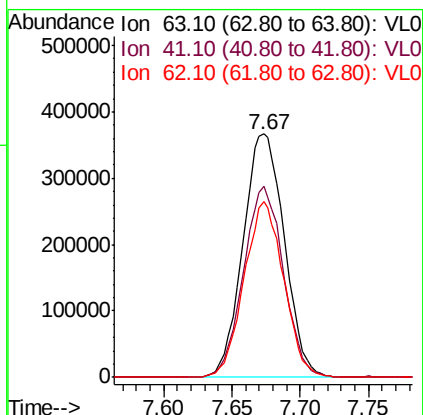
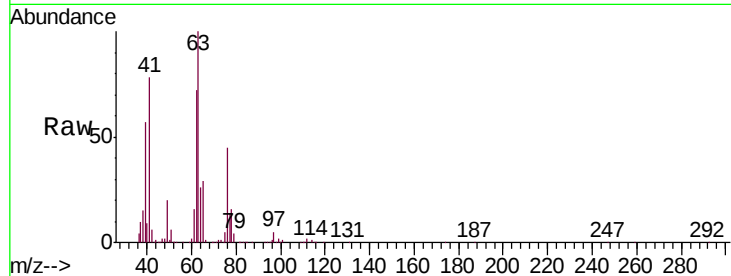




#39
 1,2-Dichloropropane
 Concen: 8.949 ppbv
 RT: 7.67 min Scan# 1473
 Delta R.T. -0.01 min
 Lab File: VL034136.D
 Acq: 5 Sep 2019 15:04

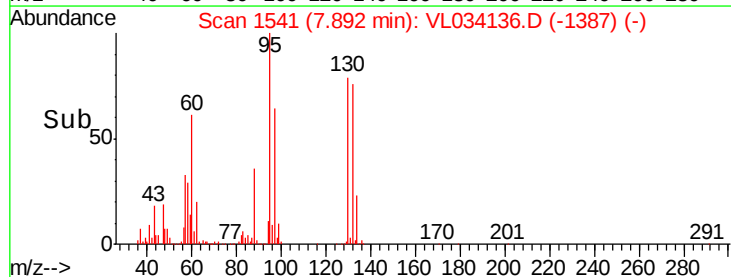
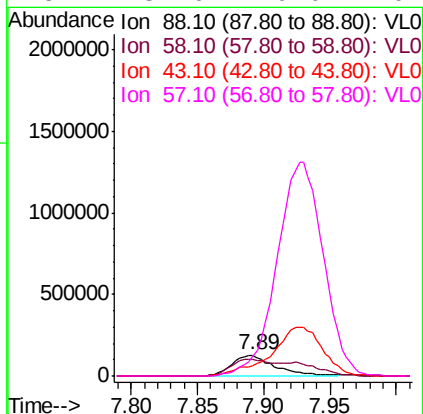
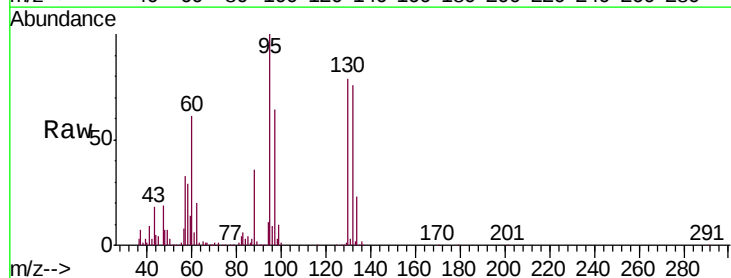
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

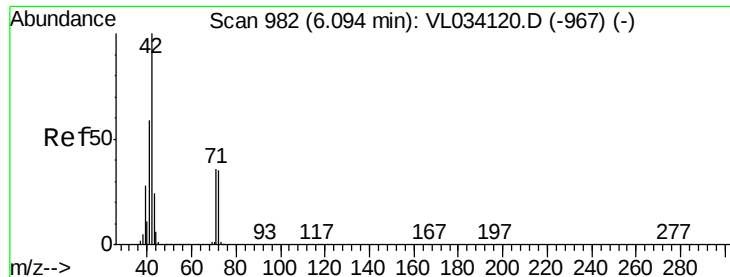
Tgt Ion: 63 Resp: 769992
 Ion Ratio Lower Upper
 63 100
 41 78.3 59.3 88.9
 62 71.9 53.8 80.6



#40
 1,4-Dioxane
 Concen: 8.962 ppbv
 RT: 7.89 min Scan# 1541
 Delta R.T. -0.00 min
 Lab File: VL034136.D
 Acq: 5 Sep 2019 15:04

Tgt Ion: 88 Resp: 283378
 Ion Ratio Lower Upper
 88 100
 58 137.3 121.7 182.5
 43 284.4 0.0 0.0#
 57 1131.0 0.0 0.0#





#41

Tetrahydrofuran

Concen: 9.150 ppbv

RT: 6.09 min Scan# 980

Delta R.T. -0.01 min

Lab File: VL034136.D

Acq: 5 Sep 2019 15:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

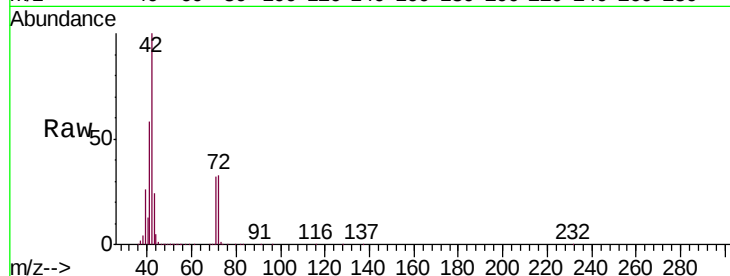
Tgt Ion: 42 Resp: 927614

Ion Ratio Lower Upper

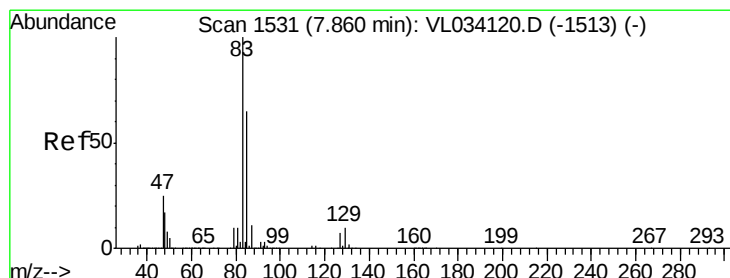
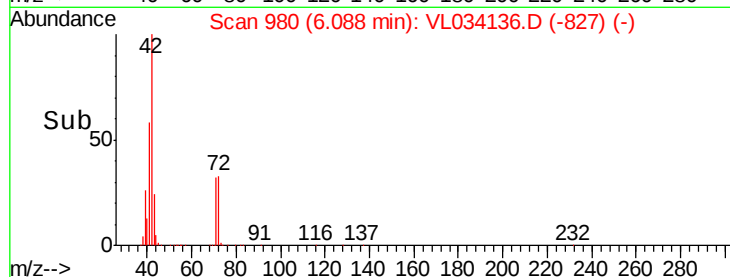
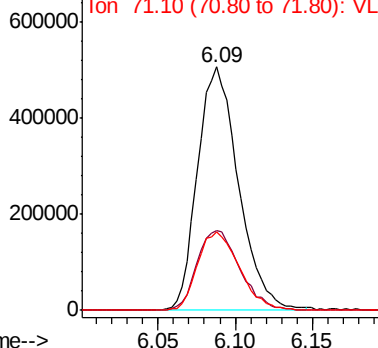
42 100

72 34.5 27.7 41.5

71 33.2 26.7 40.1



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: 9.108 ppbv

RT: 7.85 min Scan# 1529

Delta R.T. -0.01 min

Lab File: VL034136.D

Acq: 5 Sep 2019 15:04

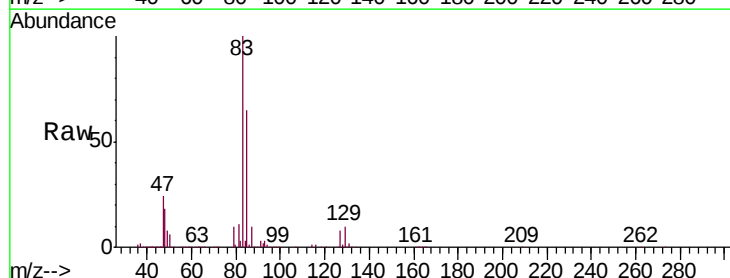
Tgt Ion: 83 Resp: 1464189

Ion Ratio Lower Upper

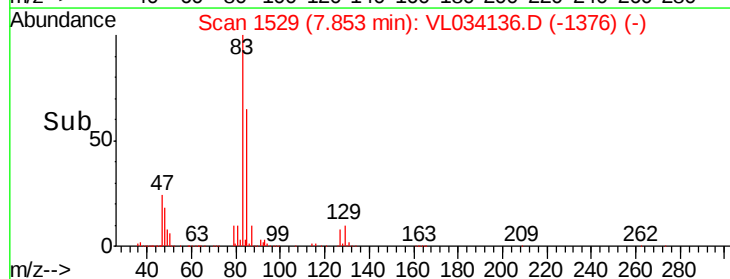
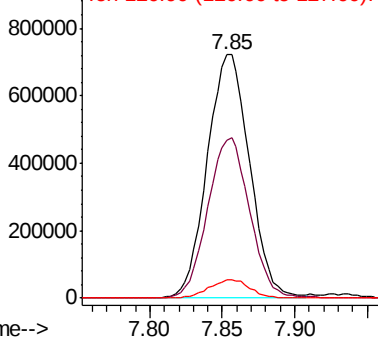
83 100

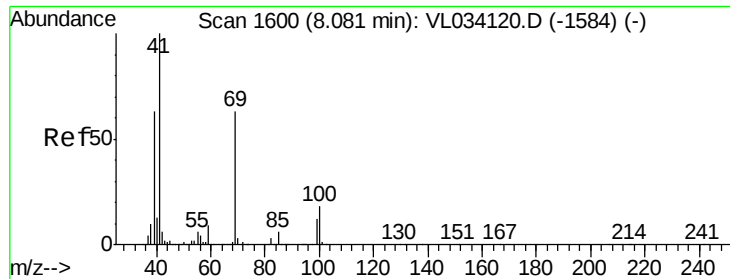
85 64.6 51.6 77.4

127 7.5 5.4 8.0



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

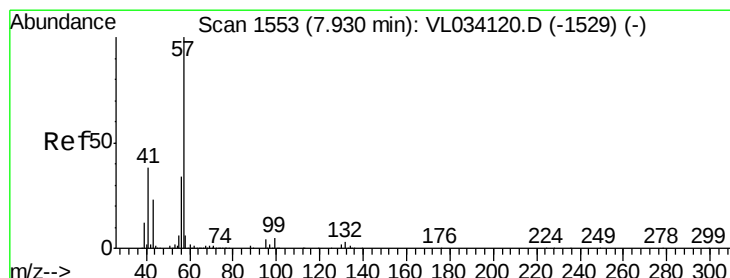
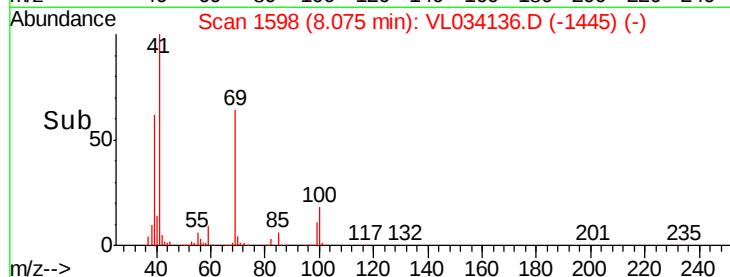
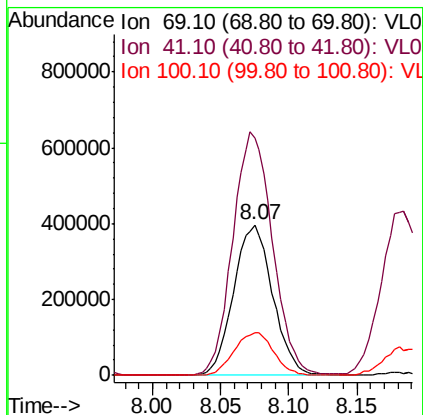
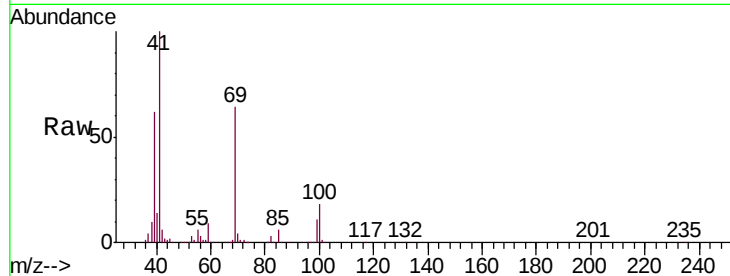




#43
Methyl Methacrylate
Concen: 9.544 ppbv
RT: 8.07 min Scan# 1598
Delta R.T. -0.01 min
Lab File: VL034136.D
Acq: 5 Sep 2019 15:04

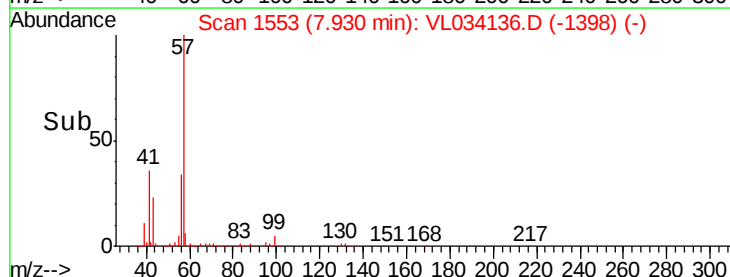
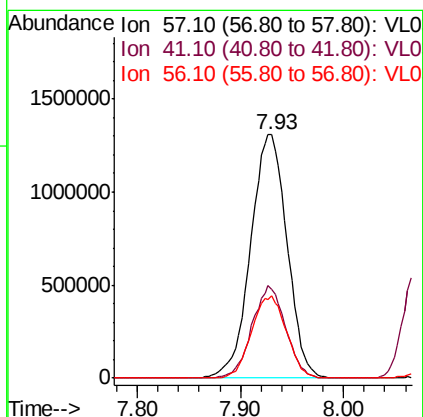
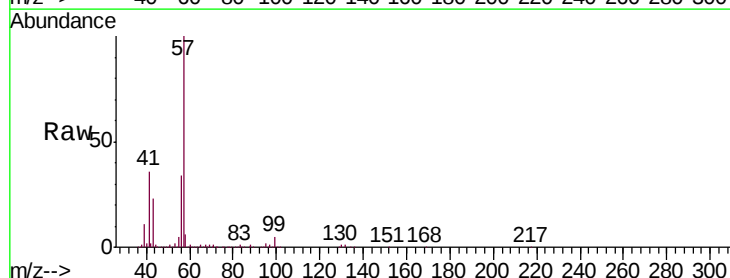
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

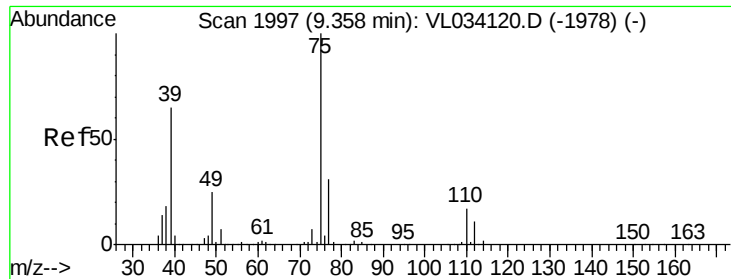
Tgt Ion: 69 Resp: 790529
Ion Ratio Lower Upper
69 100
41 164.4 131.0 196.6
100 28.8 22.6 33.8



#44
2,2,4-Trimethylpentane
Concen: 8.635 ppbv
RT: 7.93 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VL034136.D
Acq: 5 Sep 2019 15:04

Tgt Ion: 57 Resp: 3200764
Ion Ratio Lower Upper
57 100
41 35.0 28.4 42.6
56 32.4 26.3 39.5

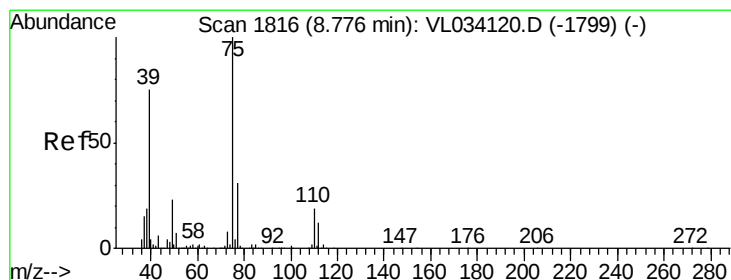
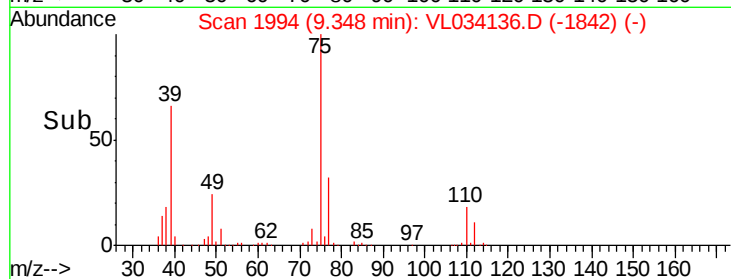
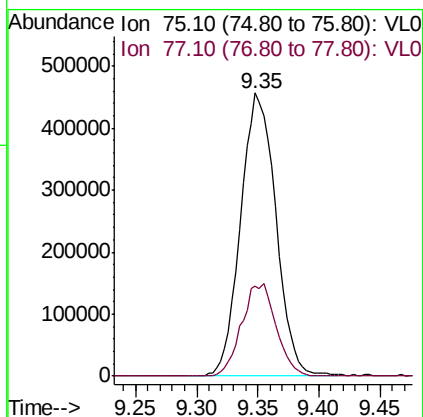
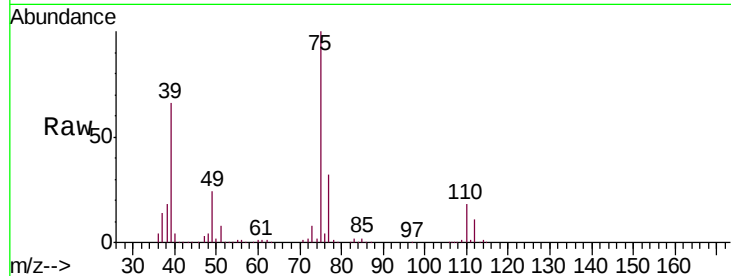




#45
 t-1,3-Dichloropropene
 Concen: 9.330 ppbv
 RT: 9.35 min Scan# 1994
 Delta R.T. -0.01 min
 Lab File: VL034136.D
 Acq: 5 Sep 2019 15:04

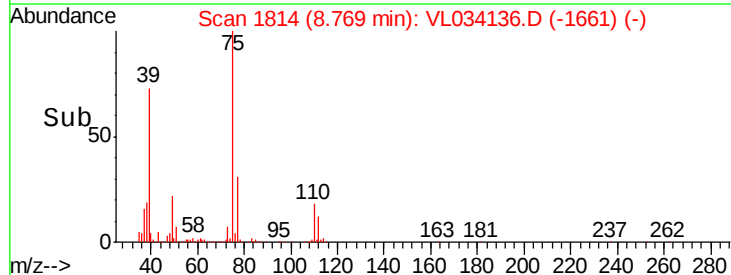
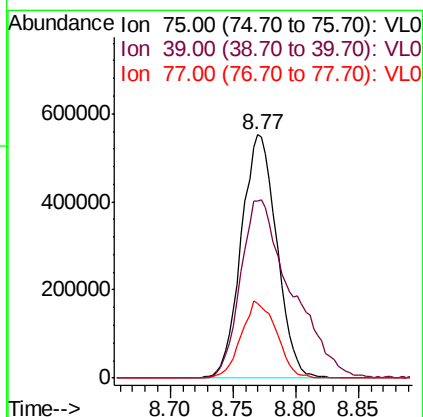
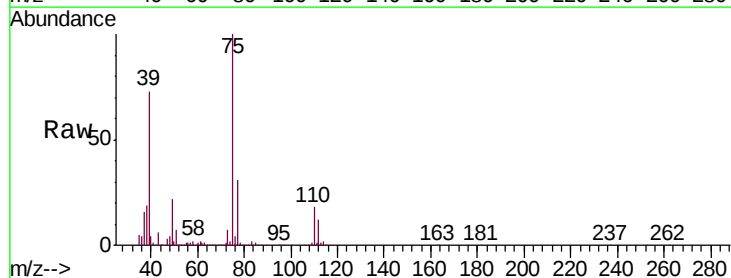
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

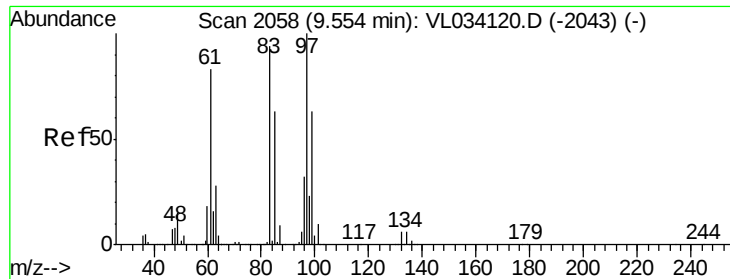
Tgt Ion: 75 Resp: 908272
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.6 36.8



#46
 cis-1,3-Dichloropropene
 Concen: 9.176 ppbv
 RT: 8.77 min Scan# 1814
 Delta R.T. -0.01 min
 Lab File: VL034136.D
 Acq: 5 Sep 2019 15:04

Tgt Ion: 75 Resp: 1086719
 Ion Ratio Lower Upper
 75 100
 39 72.6 60.0 90.0
 77 30.8 24.8 37.2

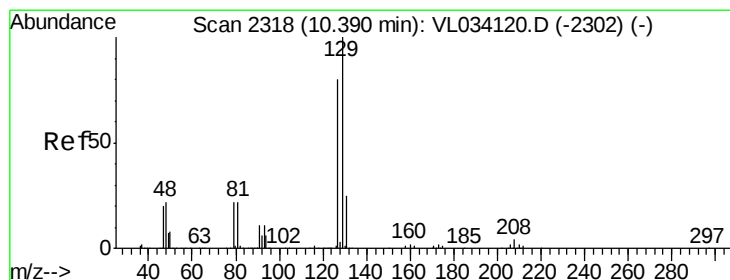
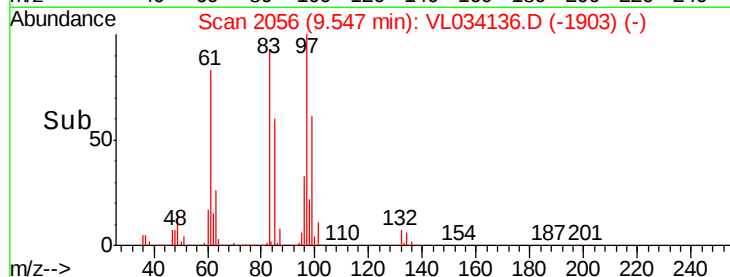
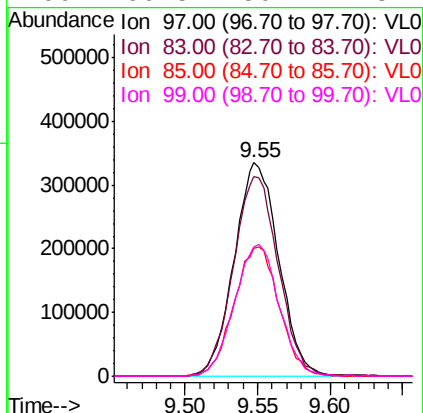
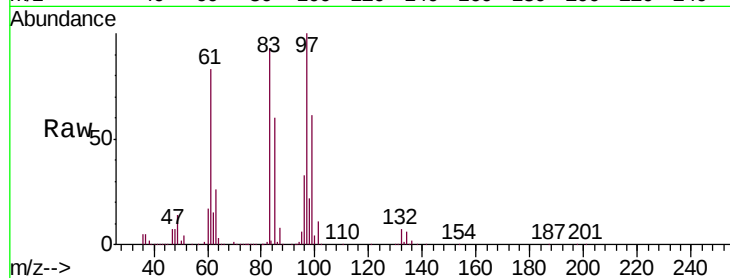




#47
 1,1,2-Trichloroethane
 Concen: 9.066 ppbv
 RT: 9.55 min Scan# 2056
 Delta R.T. -0.01 min
 Lab File: VL034136.D
 Acq: 5 Sep 2019 15:04

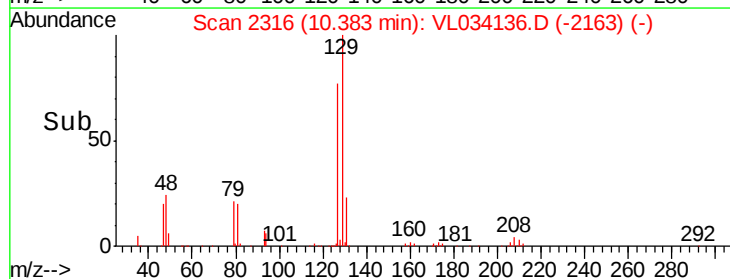
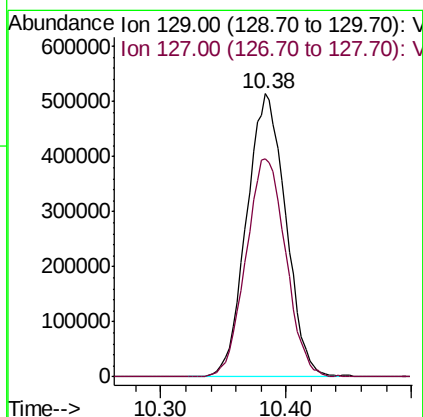
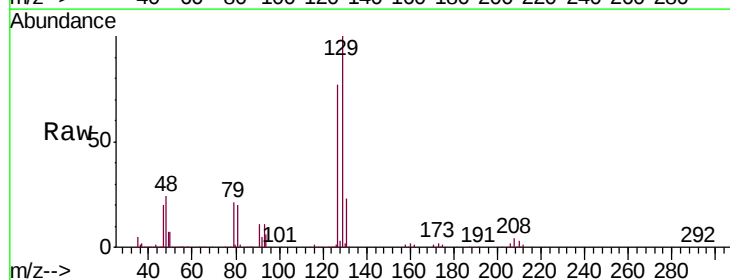
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

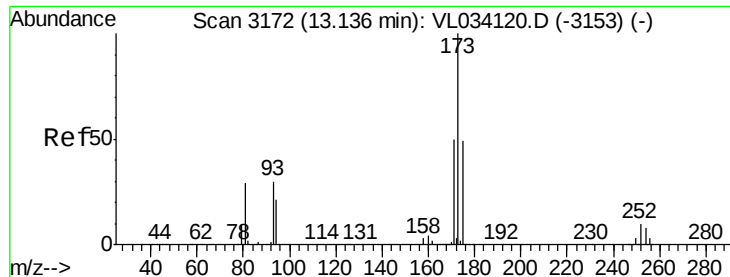
Tgt Ion:	97	Resp:	710705
Ion	Ratio	Lower	Upper
97	100		
83	93.3	74.9	112.3
85	60.0	50.6	75.8
99	60.5	50.2	75.2



#48
 Dibromochloromethane
 Concen: 9.550 ppbv
 RT: 10.38 min Scan# 2316
 Delta R.T. -0.01 min
 Lab File: VL034136.D
 Acq: 5 Sep 2019 15:04

Tgt Ion:	129	Resp:	1117013
Ion	Ratio	Lower	Upper
129	100		
127	78.5	40.2	120.6





#49

Bromoform

Concen: 9.404 ppbv

RT: 13.13 min Scan# 3171

Delta R.T. -0.00 min

Lab File: VL034136.D

Acq: 5 Sep 2019 15:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

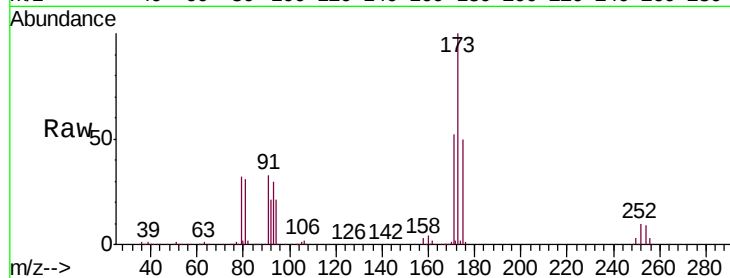
Tgt Ion:173 Resp: 964396

Ion Ratio Lower Upper

173 100

175 49.1 40.0 60.0

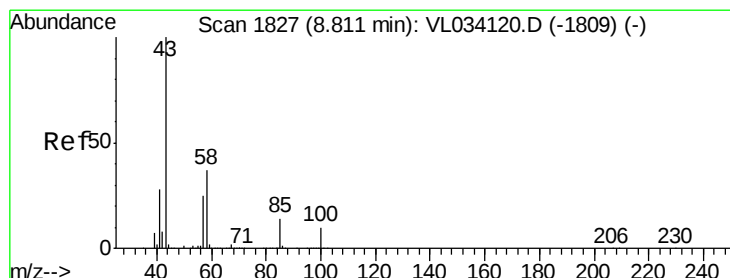
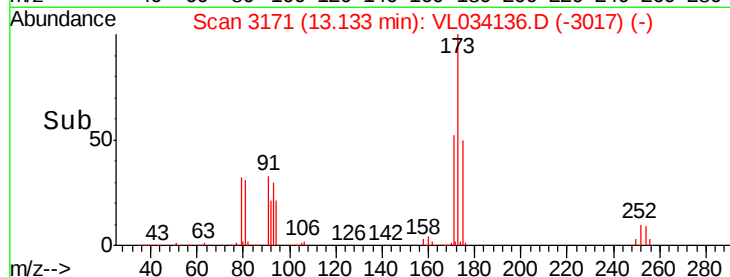
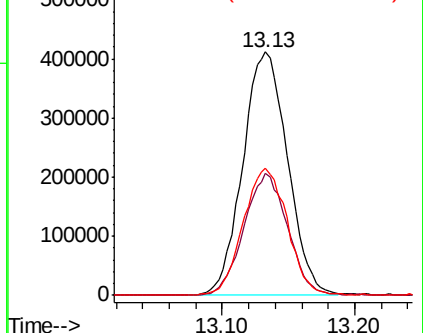
171 51.8 42.2 63.2



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: 8.719 ppbv

RT: 8.80 min Scan# 1825

Delta R.T. -0.01 min

Lab File: VL034136.D

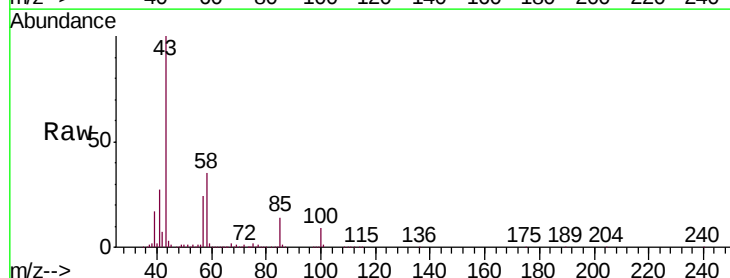
Acq: 5 Sep 2019 15:04

Tgt Ion: 43 Resp: 2249920

Ion Ratio Lower Upper

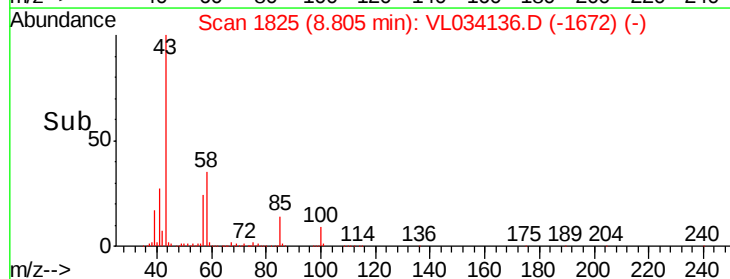
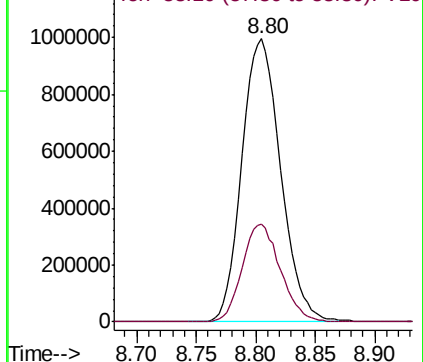
43 100

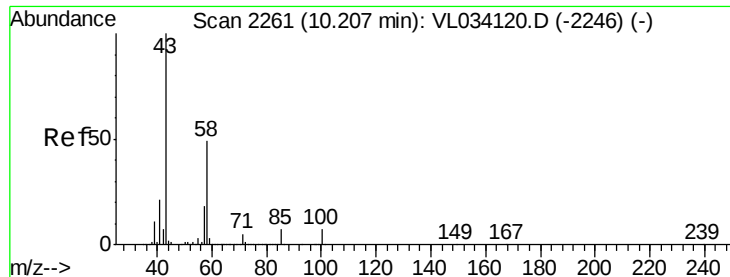
58 34.2 28.5 42.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

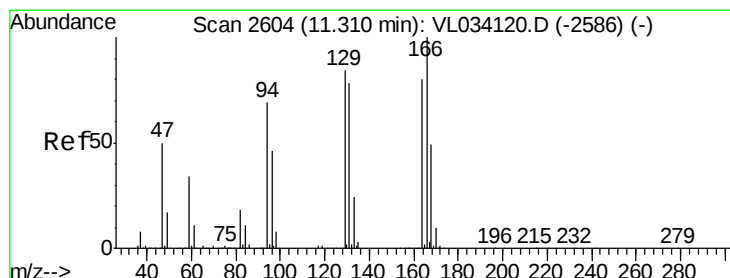
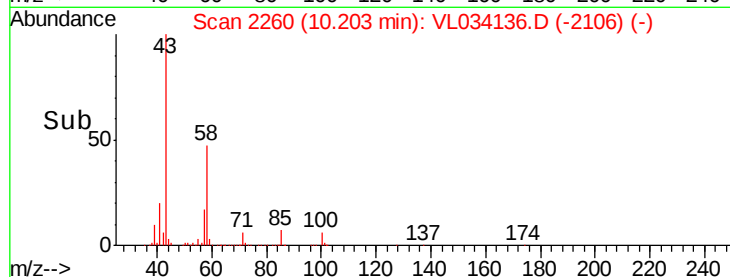
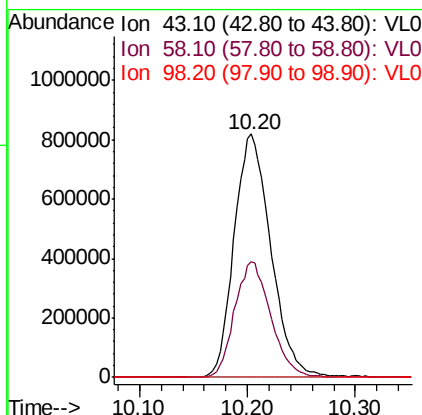
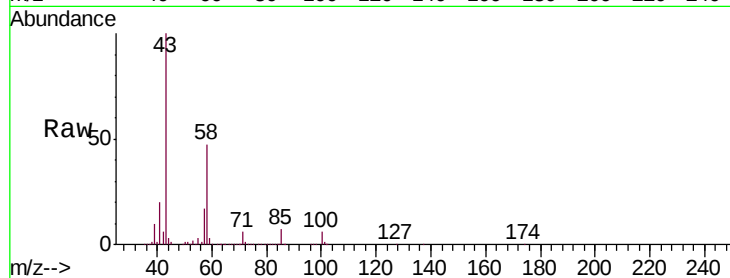




#51
2-Hexanone
Concen: 8.650 ppbv
RT: 10.20 min Scan# 2260
Delta R.T. -0.00 min
Lab File: VL034136.D
Acq: 5 Sep 2019 15:04

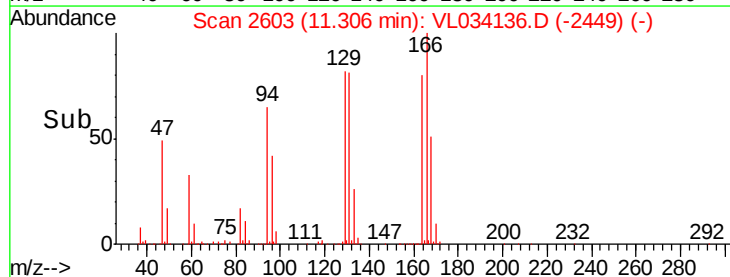
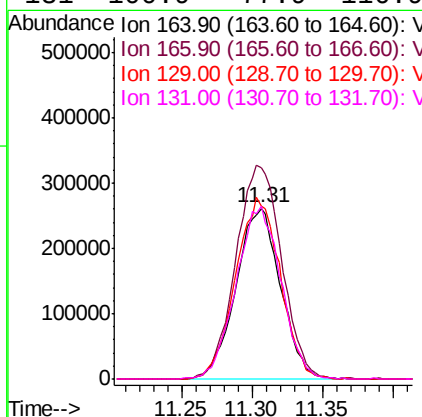
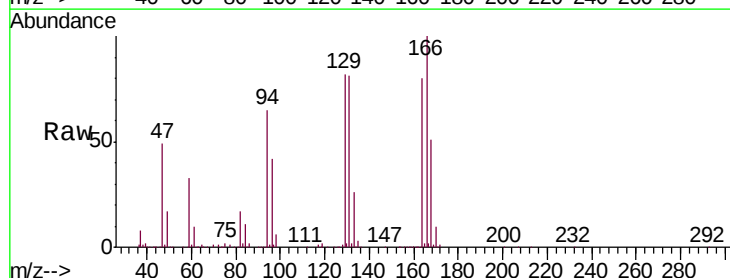
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

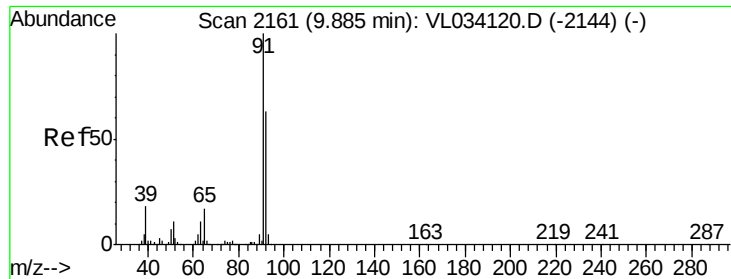
Tgt Ion: 43 Resp: 1928168
Ion Ratio Lower Upper
43 100
58 47.0 38.2 57.2
98 0.1 0.1 0.1



#52
Tetrachloroethene
Concen: 8.134 ppbv
RT: 11.31 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VL034136.D
Acq: 5 Sep 2019 15:04

Tgt Ion: 164 Resp: 576648
Ion Ratio Lower Upper
164 100
166 124.0 99.5 149.3
129 101.8 83.6 125.4
131 100.9 77.9 116.9





#53

Toluene

Concen: 9.163 ppbv

RT: 9.88 min Scan# 2159

Delta R.T. -0.01 min

Lab File: VL034136.D

Acq: 5 Sep 2019 15:04

Instrument :

MSVOA_L

ClientSampleId :

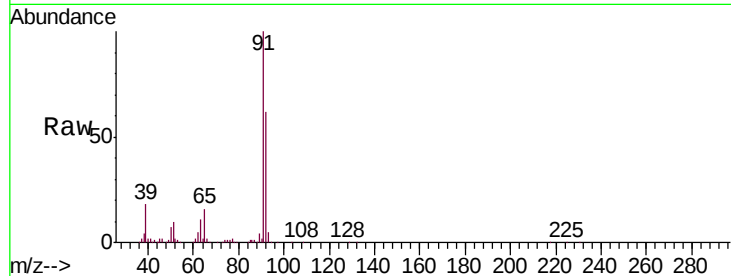
VSTDCCC010EC

Tgt Ion: 91 Resp: 2037489

Ion Ratio Lower Upper

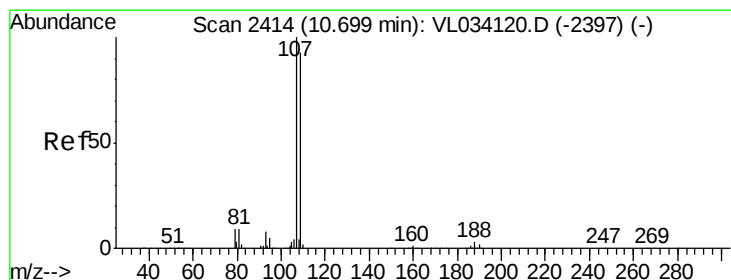
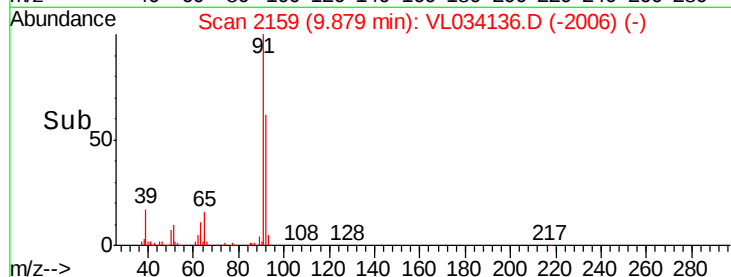
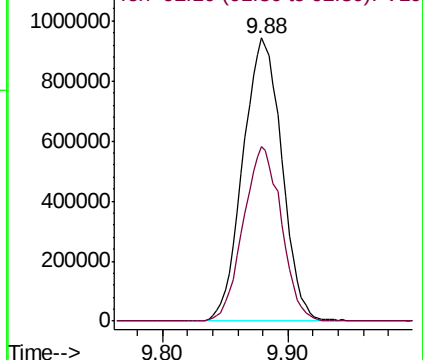
91 100

92 60.2 49.3 73.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 9.212 ppbv

RT: 10.69 min Scan# 2411

Delta R.T. -0.01 min

Lab File: VL034136.D

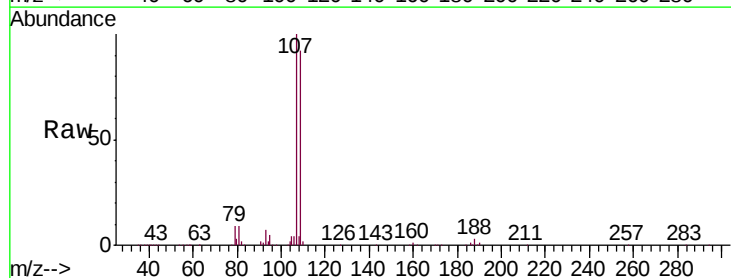
Acq: 5 Sep 2019 15:04

Tgt Ion: 107 Resp: 1075827

Ion Ratio Lower Upper

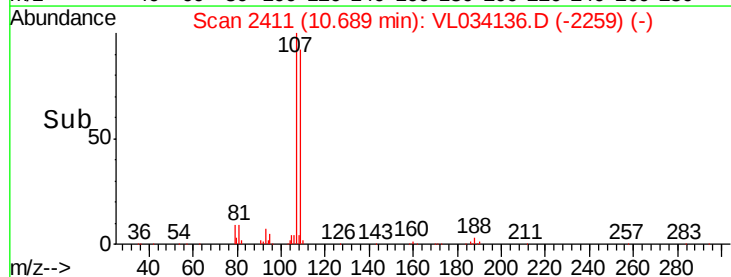
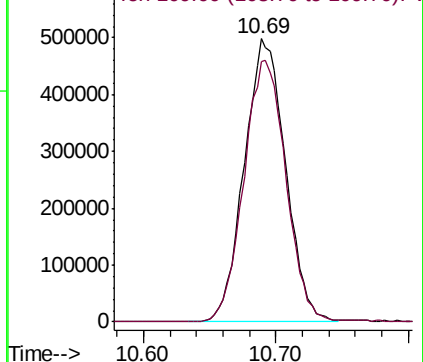
107 100

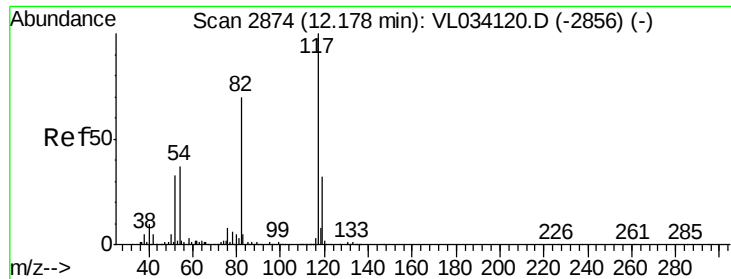
109 91.9 74.5 111.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.17 min Scan# 2872

Delta R.T. -0.01 min

Lab File: VL034136.D

Acq: 5 Sep 2019 15:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

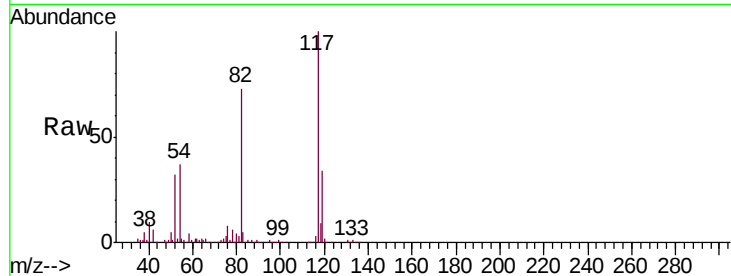
Tgt Ion:117 Resp: 2224268

Ion Ratio Lower Upper

117 100

82 59.8 55.8 83.6

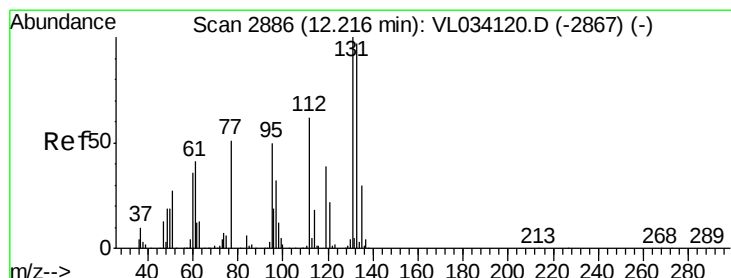
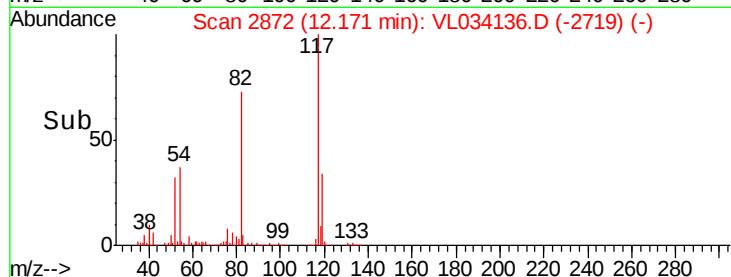
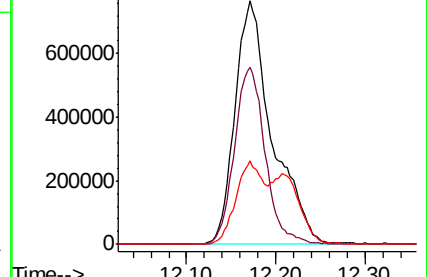
119 47.5 43.1 64.7



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 7.702 ppbv

RT: 12.21 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VL034136.D

Acq: 5 Sep 2019 15:04

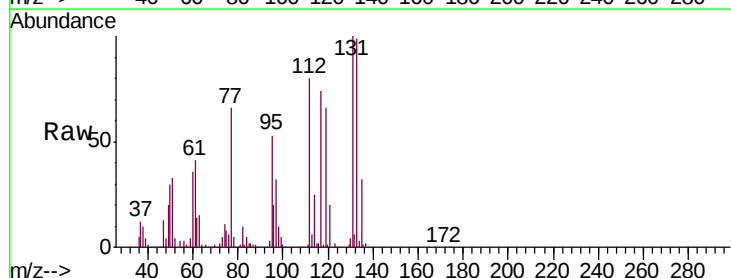
Tgt Ion:131 Resp: 734758

Ion Ratio Lower Upper

131 100

133 96.9 75.8 113.6

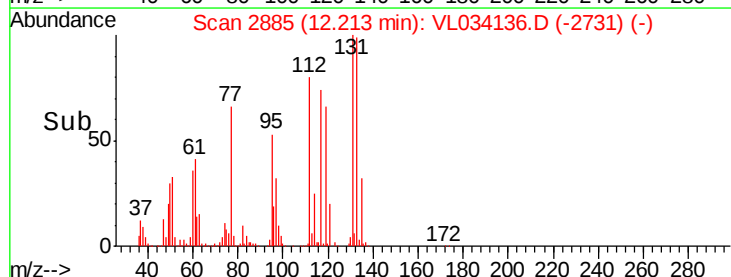
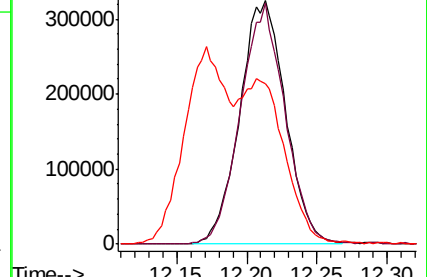
119 143.7 114.7 172.1

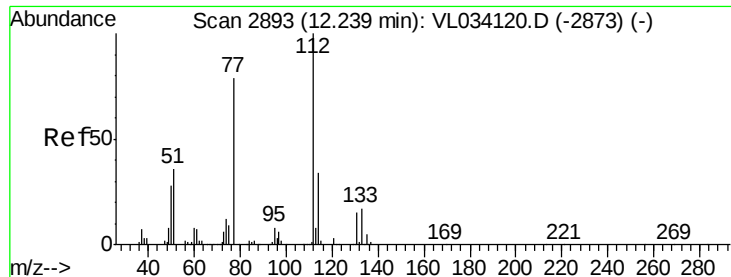


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.293 ppbv

RT: 12.23 min Scan# 2891

Delta R.T. -0.01 min

Lab File: VL034136.D

Acq: 5 Sep 2019 15:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

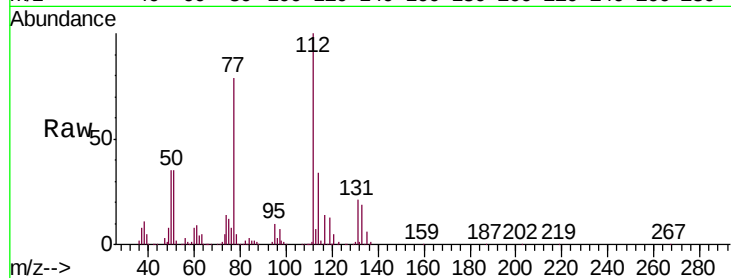
Tgt Ion: 112 Resp: 1395333

Ion Ratio Lower Upper

112 100

77 78.5 64.4 96.6

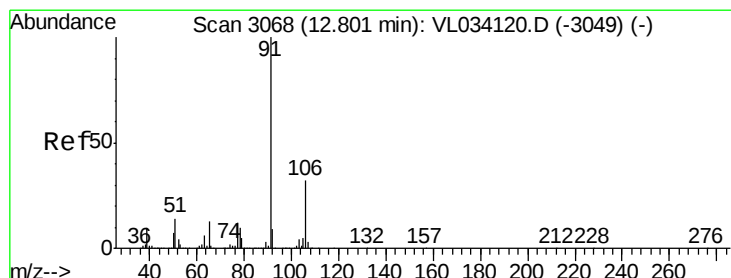
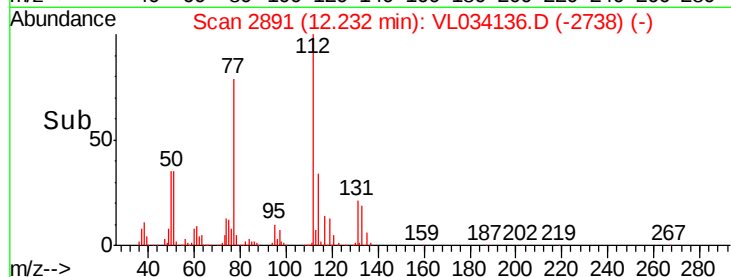
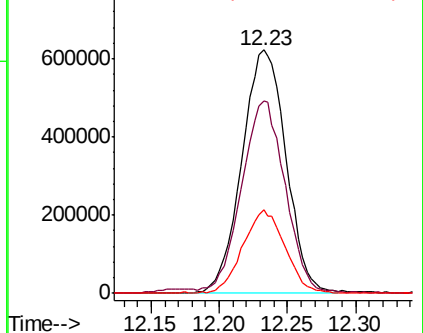
114 34.1 30.3 37.1



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: 7.544 ppbv

RT: 12.80 min Scan# 3067

Delta R.T. -0.00 min

Lab File: VL034136.D

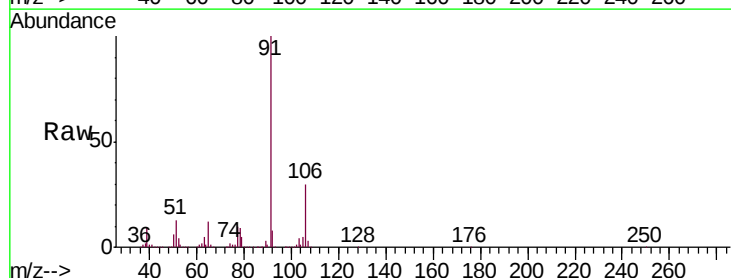
Acq: 5 Sep 2019 15:04

Tgt Ion: 91 Resp: 2751387

Ion Ratio Lower Upper

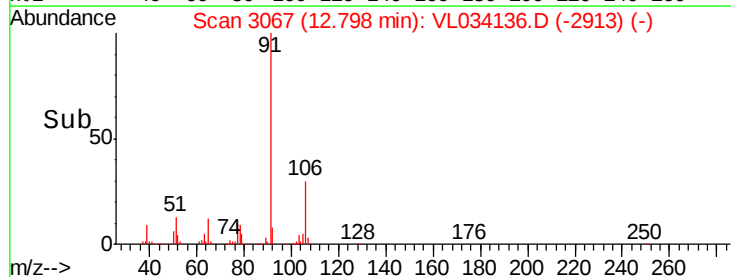
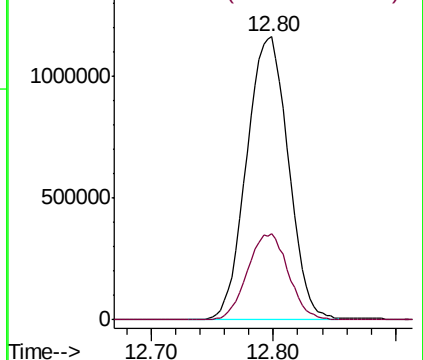
91 100

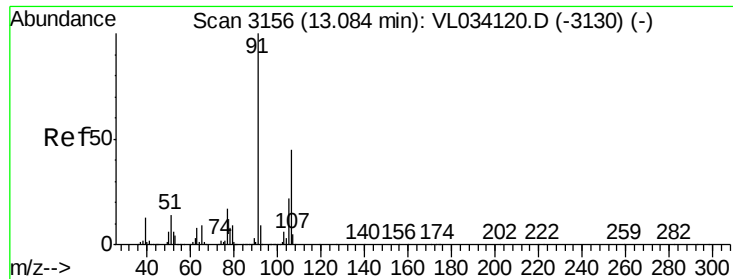
106 30.3 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

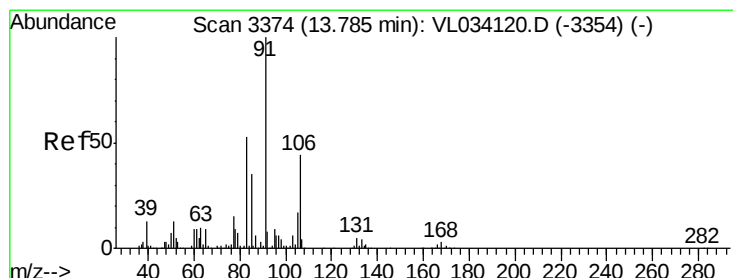
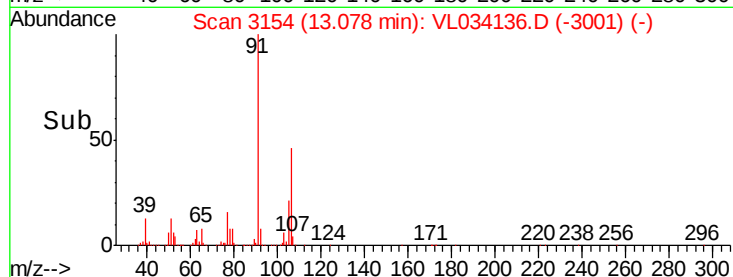
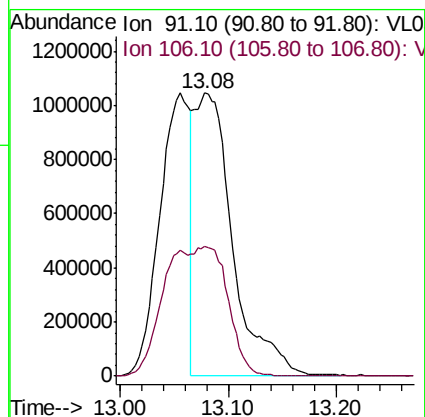
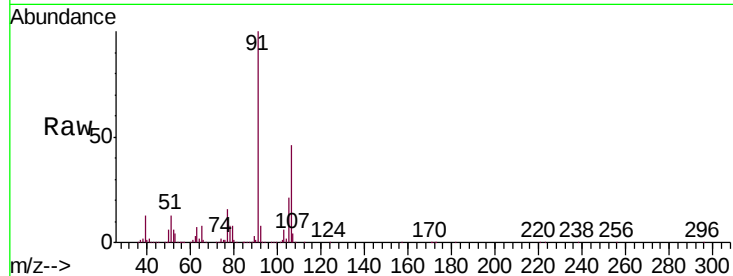




#59
m/p-Xylene
Concen: 8.594 ppbv
RT: 13.08 min Scan# 3154
Delta R.T. -0.01 min
Lab File: VL034136.D
Acq: 5 Sep 2019 15:04

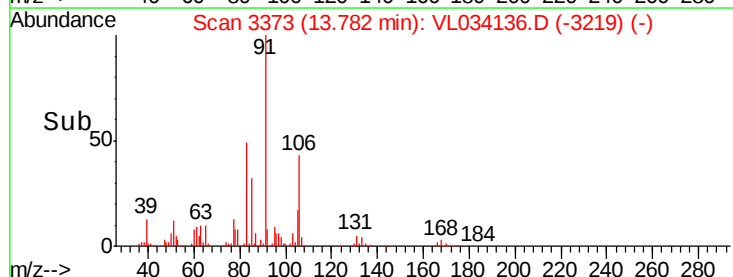
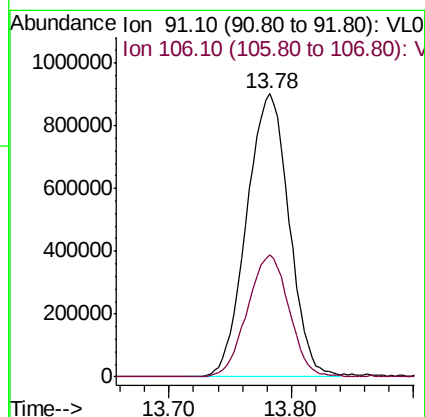
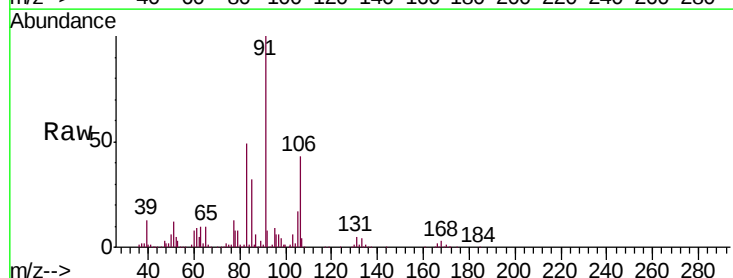
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

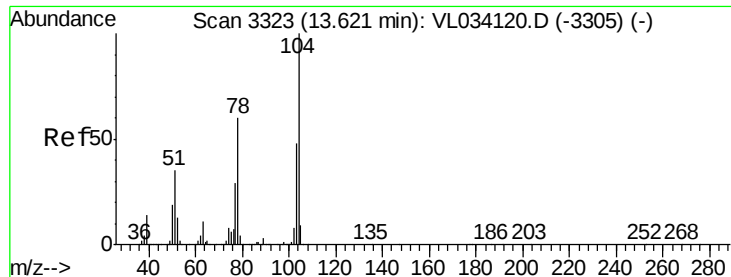
Tgt Ion: 91 Resp: 2557011
Ion Ratio Lower Upper
91 100
106 76.6 35.4 53.2#



#60
o-Xylene
Concen: 7.323 ppbv
RT: 13.78 min Scan# 3373
Delta R.T. -0.00 min
Lab File: VL034136.D
Acq: 5 Sep 2019 15:04

Tgt Ion: 91 Resp: 2170231
Ion Ratio Lower Upper
91 100
106 42.6 21.4 64.3





#61

Styrene

Concen: 7.347 ppbv

RT: 13.61 min Scan# 3321

Delta R.T. -0.01 min

Lab File: VL034136.D

Acq: 5 Sep 2019 15:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

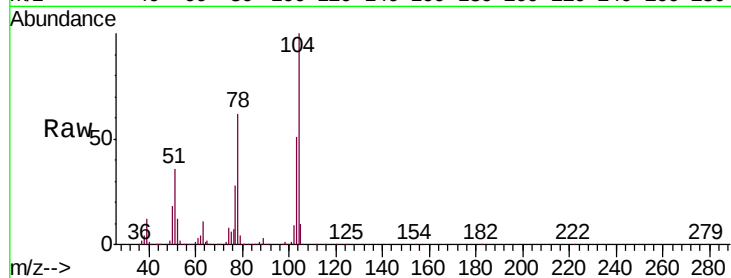
Tgt Ion:104 Resp: 1628553

Ion Ratio Lower Upper

104 100

78 59.8 47.8 71.6

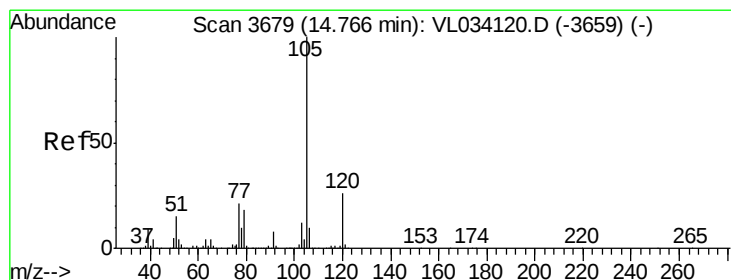
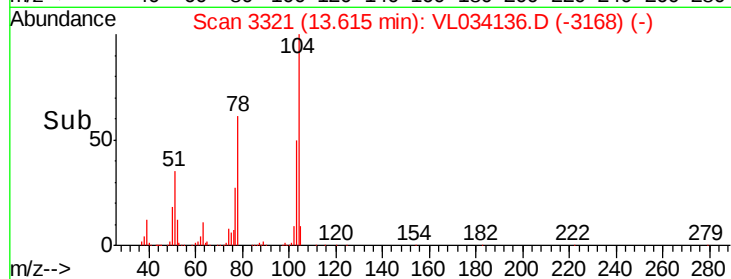
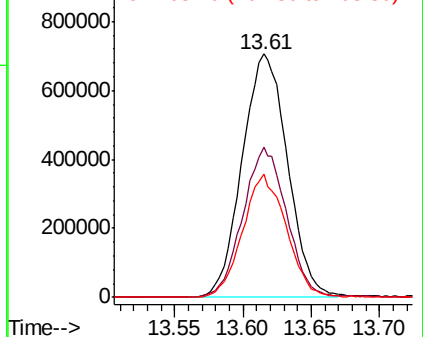
103 48.7 38.7 58.1



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: 7.528 ppbv

RT: 14.76 min Scan# 3676

Delta R.T. -0.01 min

Lab File: VL034136.D

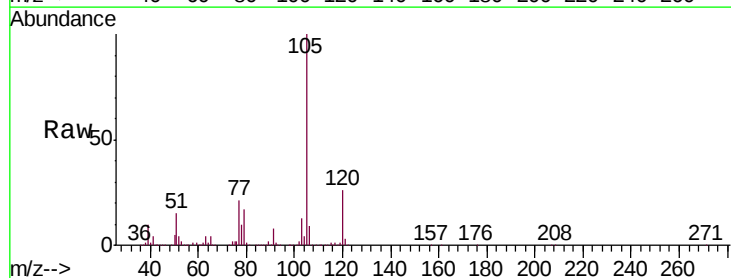
Acq: 5 Sep 2019 15:04

Tgt Ion:105 Resp: 2902695

Ion Ratio Lower Upper

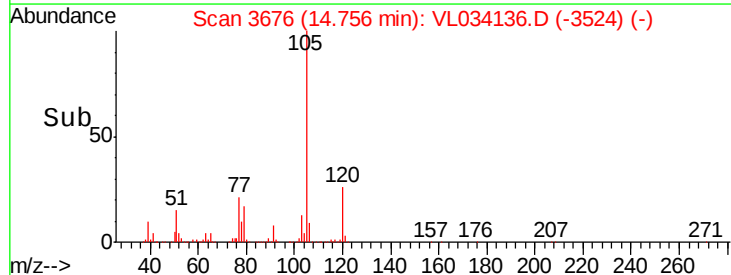
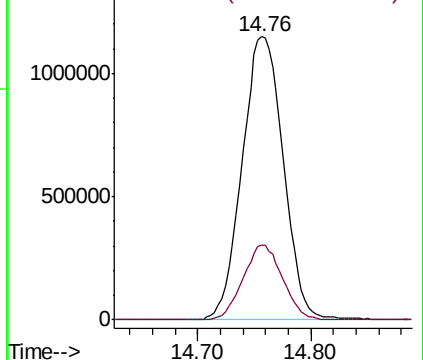
105 100

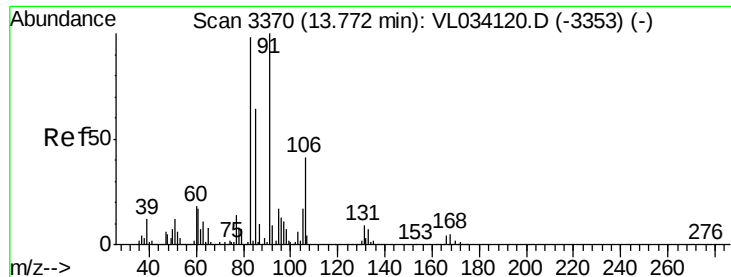
120 25.6 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

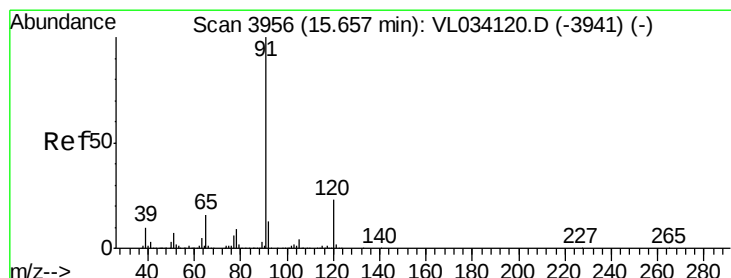
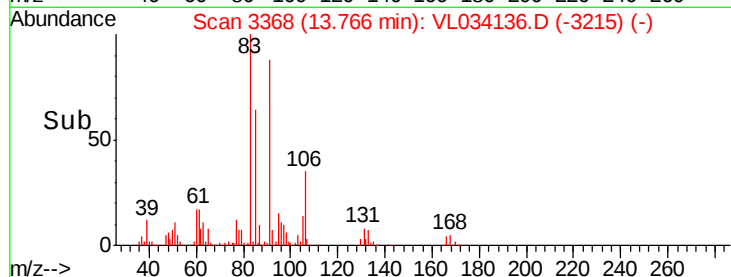
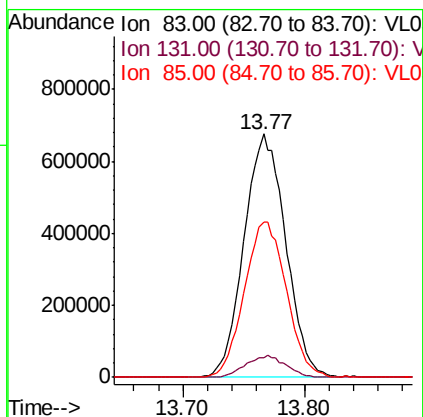
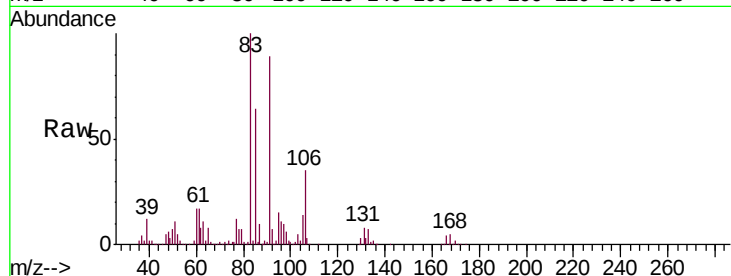




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.601 ppbv
 RT: 13.77 min Scan# 3368
 Delta R.T. -0.01 min
 Lab File: VL034136.D
 Acq: 5 Sep 2019 15:04

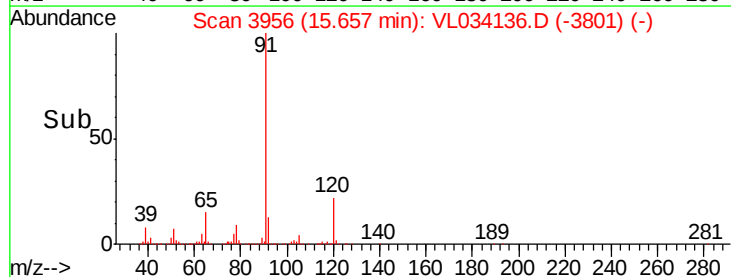
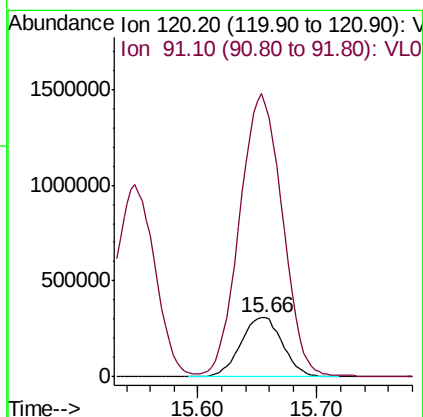
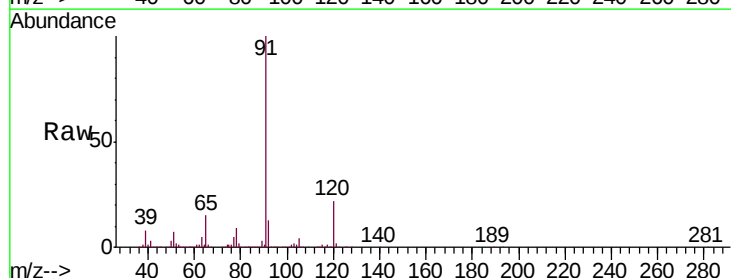
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

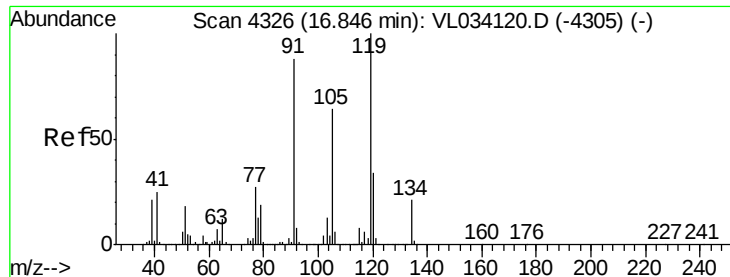
Tgt Ion: 83 Resp: 1594056
 Ion Ratio Lower Upper
 83 100
 131 8.6 4.3 12.8
 85 64.7 32.5 97.5



#64
 n-propylbenzene
 Concen: 7.818 ppbv
 RT: 15.66 min Scan# 3956
 Delta R.T. -0.00 min
 Lab File: VL034136.D
 Acq: 5 Sep 2019 15:04

Tgt Ion: 120 Resp: 755106
 Ion Ratio Lower Upper
 120 100
 91 487.3 376.8 565.2





#65

tert-Butylbenzene

Concen: 7.377 ppbv

RT: 16.84 min Scan# 4325

Delta R.T. -0.00 min

Lab File: VL034136.D

Acq: 5 Sep 2019 15:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

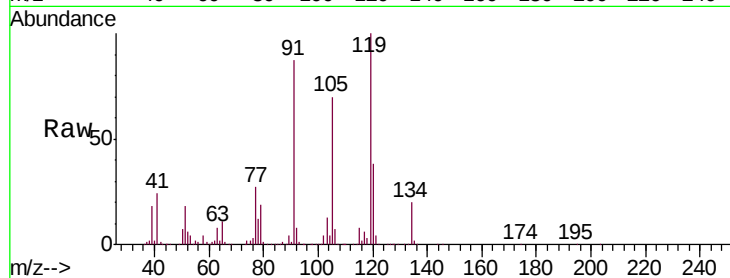
Tgt Ion:119 Resp: 2454823

Ion Ratio Lower Upper

119 100

91 90.9 72.8 109.2

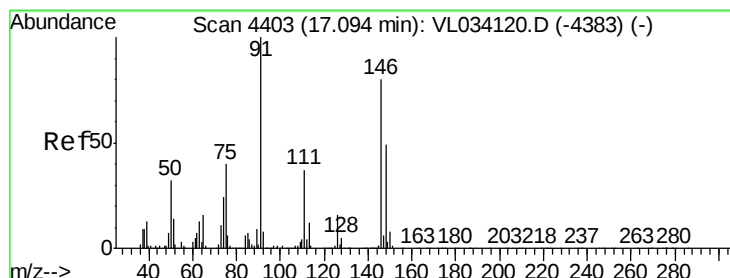
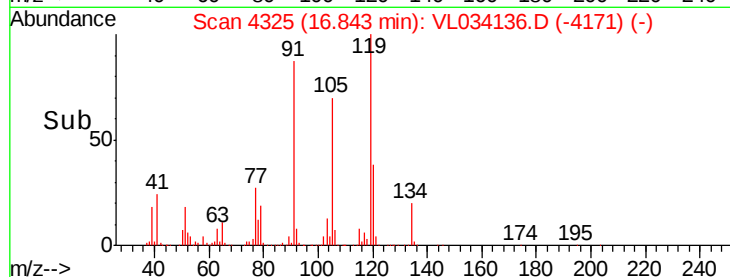
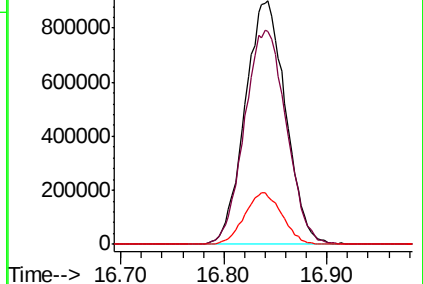
134 19.7 15.8 23.8



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 7.716 ppbv

RT: 17.09 min Scan# 4401

Delta R.T. -0.01 min

Lab File: VL034136.D

Acq: 5 Sep 2019 15:04

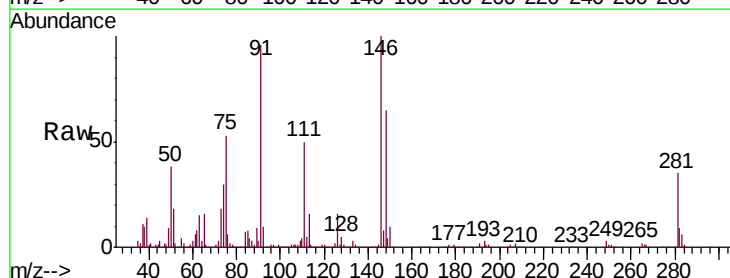
Tgt Ion: 91 Resp: 946689

Ion Ratio Lower Upper

91 100

126 17.0 13.7 20.5

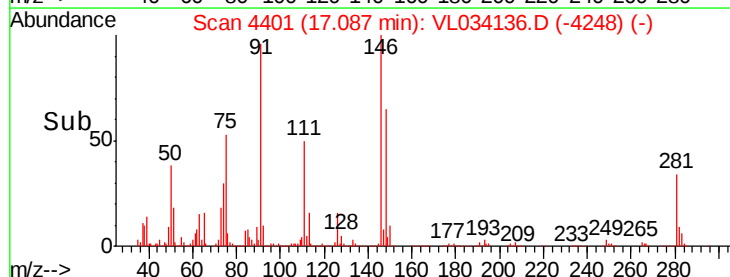
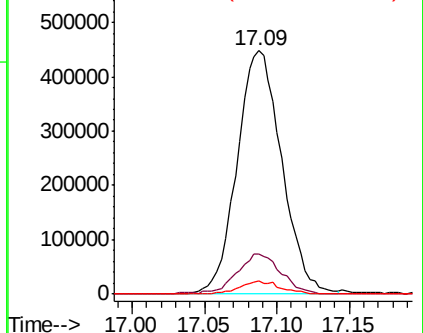
128 5.0 4.2 6.4

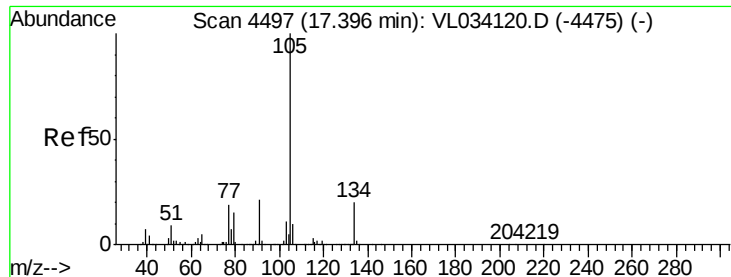


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

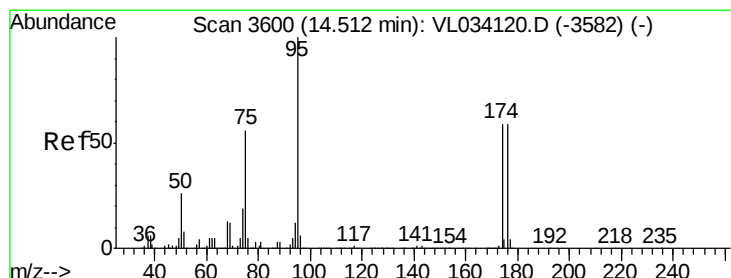
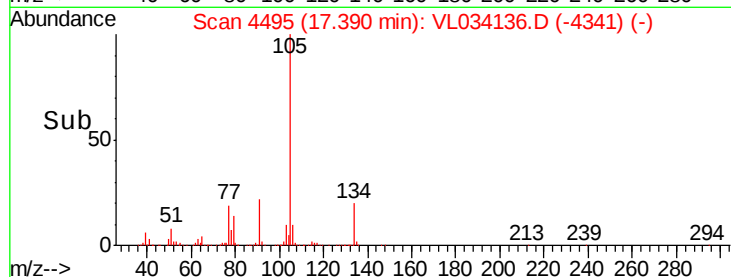
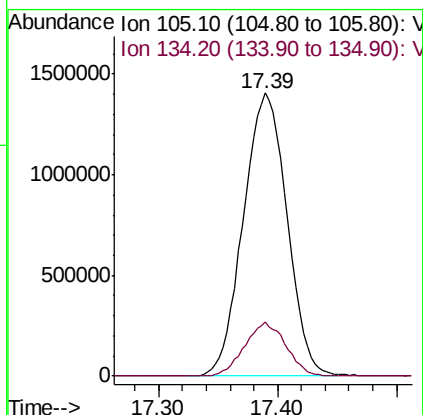
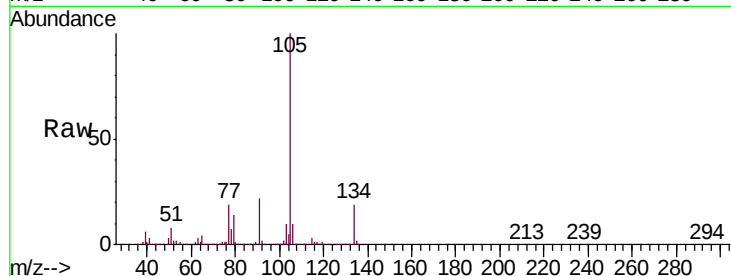




#67
 sec-Butylbenzene
 Concen: 7.453 ppbv
 RT: 17.39 min Scan# 4495
 Delta R.T. -0.01 min
 Lab File: VL034136.D
 Acq: 5 Sep 2019 15:04

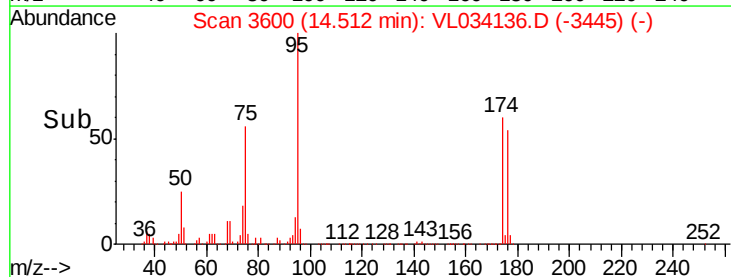
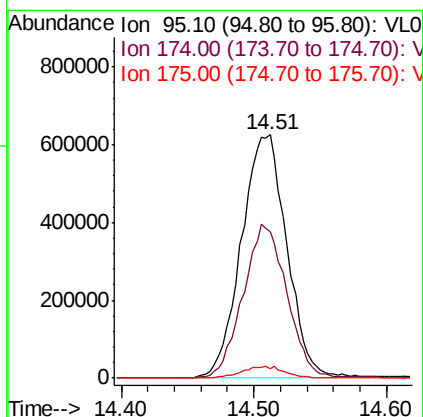
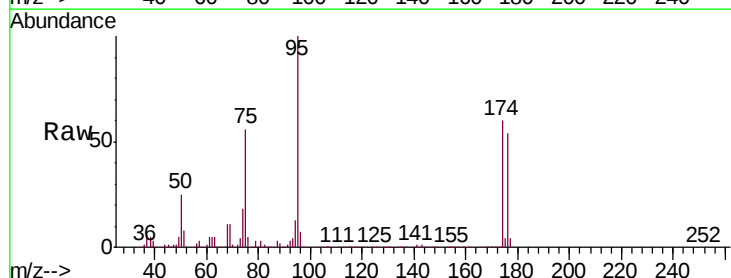
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

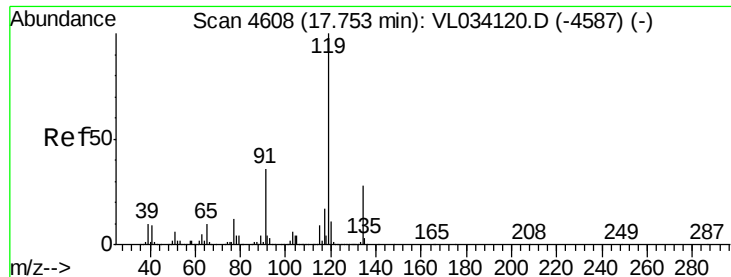
Tgt Ion: 105 Resp: 3566398
 Ion Ratio Lower Upper
 105 100
 134 18.0 15.0 22.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.144 ppbv
 RT: 14.51 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VL034136.D
 Acq: 5 Sep 2019 15:04

Tgt Ion: 95 Resp: 1480844
 Ion Ratio Lower Upper
 95 100
 174 61.6 48.1 72.1
 175 4.5 3.5 5.3

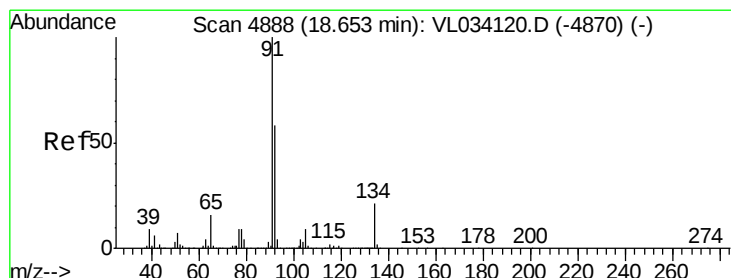
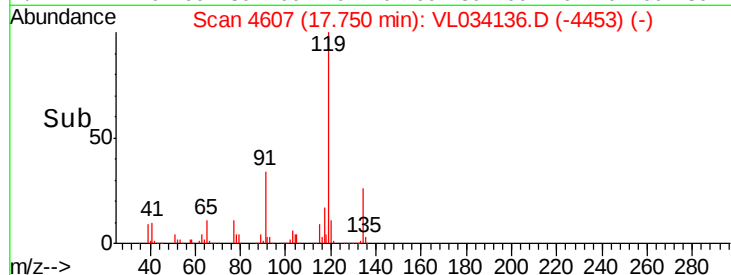
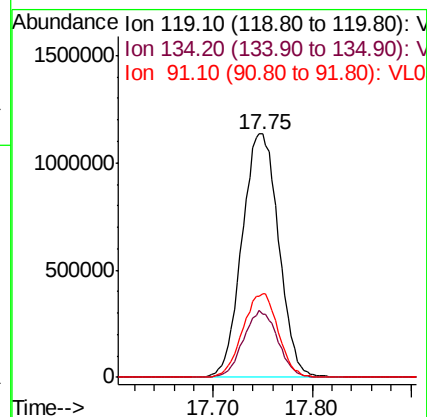
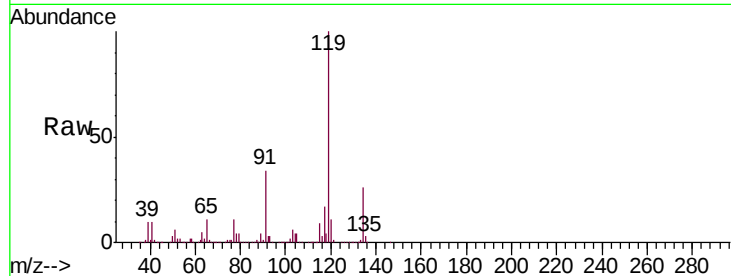




#69
 p-Isopropyltoluene
 Concen: 7.601 ppbv
 RT: 17.75 min Scan# 4607
 Delta R.T. -0.00 min
 Lab File: VL034136.D
 Acq: 5 Sep 2019 15:04

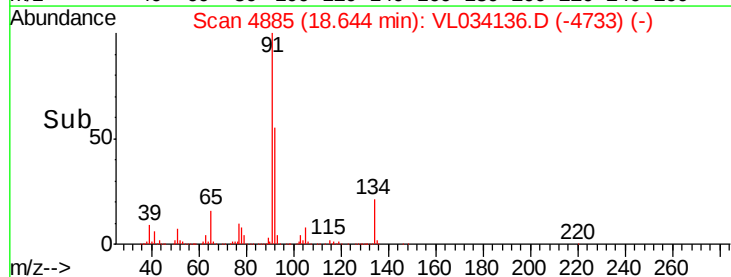
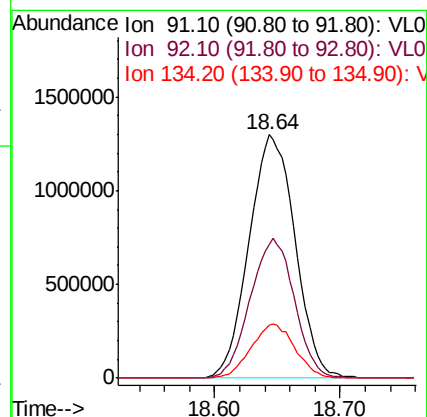
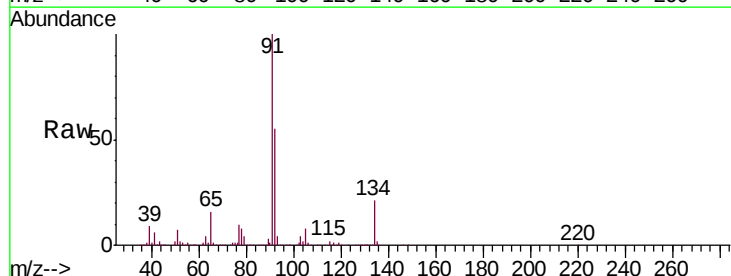
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

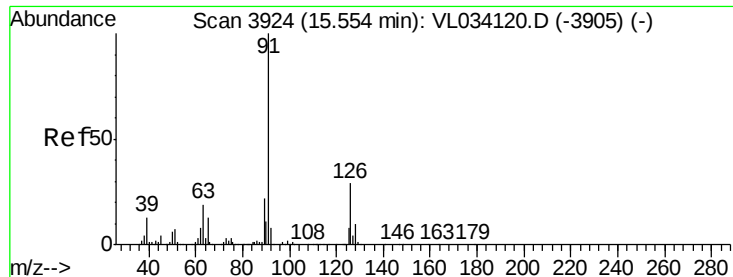
Tgt Ion: 119 Resp: 2910129
 Ion Ratio Lower Upper
 119 100
 134 25.8 20.8 31.2
 91 33.5 27.2 40.8



#70
 n-Butylbenzene
 Concen: 7.573 ppbv
 RT: 18.64 min Scan# 4885
 Delta R.T. -0.01 min
 Lab File: VL034136.D
 Acq: 5 Sep 2019 15:04

Tgt Ion: 91 Resp: 3298829
 Ion Ratio Lower Upper
 91 100
 92 55.4 45.3 67.9
 134 21.3 17.4 26.0





#71

2-Chlorotoluene

Concen: 7.623 ppbv

RT: 15.55 min Scan# 3922

Delta R.T. -0.01 min

Lab File: VL034136.D

Acq: 5 Sep 2019 15:04

Instrument :

MSVOA_L

ClientSampleId :

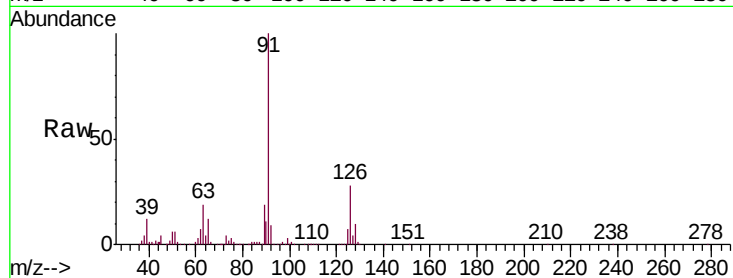
VSTDCCC010EC

Tgt Ion: 91 Resp: 2401096

Ion Ratio Lower Upper

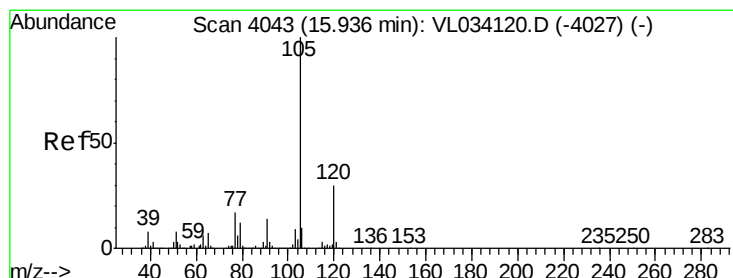
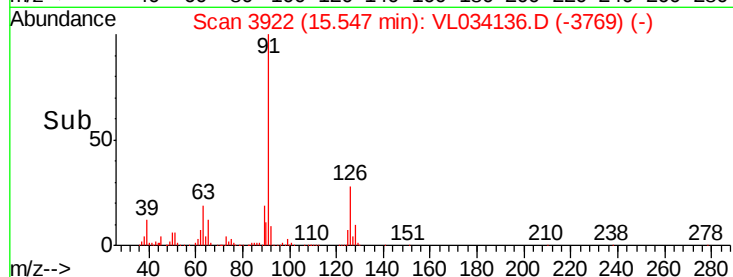
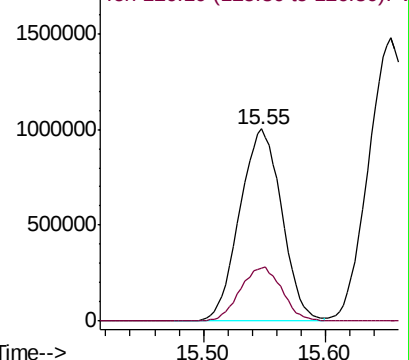
91 100

126 28.1 11.4 45.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 7.501 ppbv

RT: 15.93 min Scan# 4041

Delta R.T. -0.01 min

Lab File: VL034136.D

Acq: 5 Sep 2019 15:04

Tgt Ion: 105 Resp: 2508095

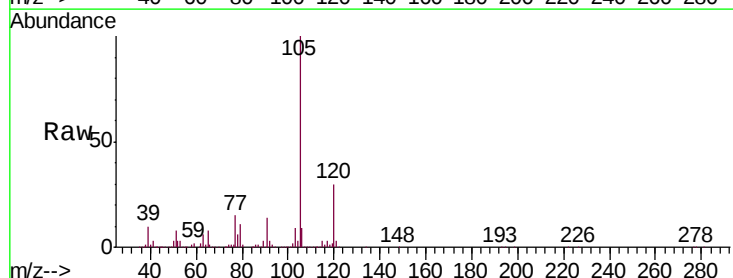
Ion Ratio Lower Upper

105 100

120 29.3 23.8 35.6

91 13.9 11.4 17.0

77 15.6 12.6 18.8

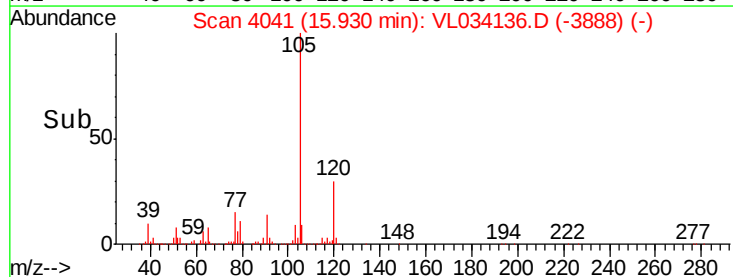
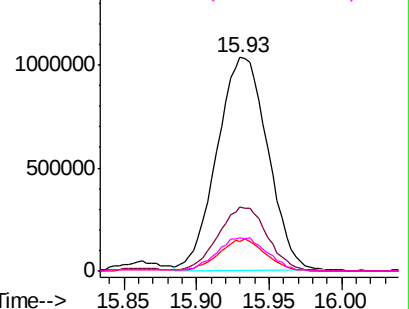


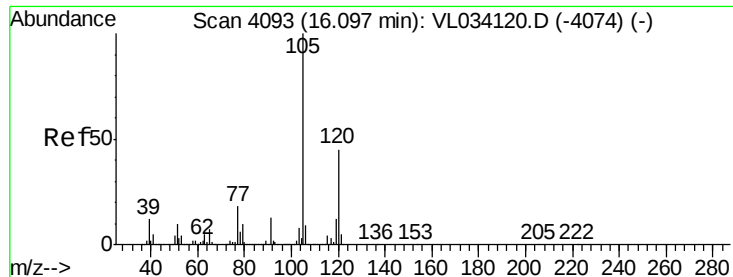
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

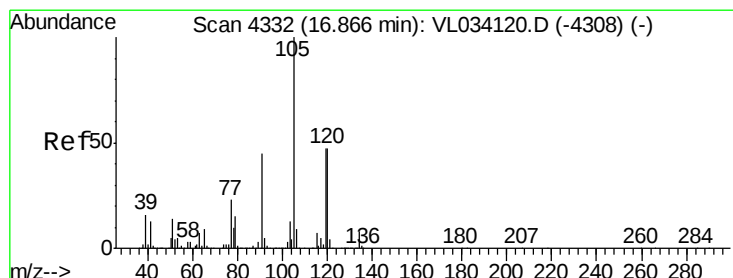
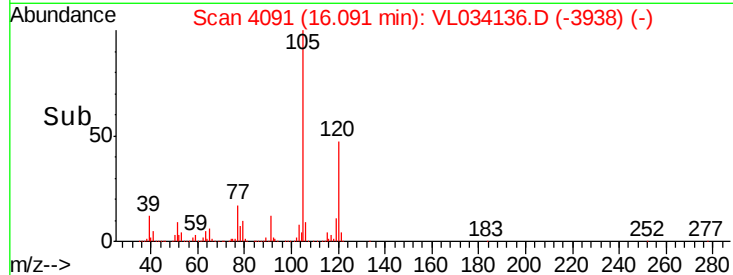
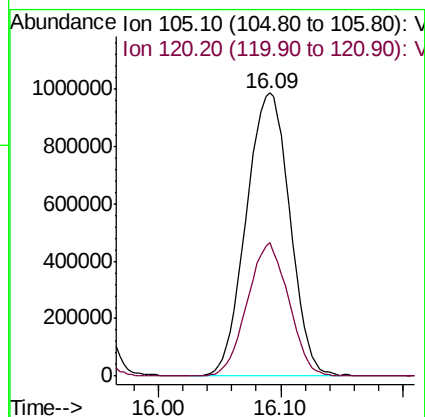
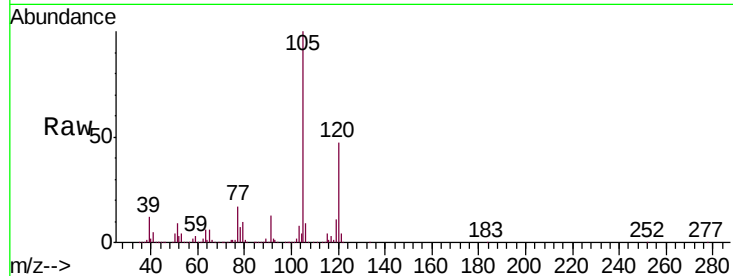




#73
 1,3,5-Trimethylbenzene
 Concen: 7.474 ppbv
 RT: 16.09 min Scan# 4091
 Delta R.T. -0.01 min
 Lab File: VL034136.D
 Acq: 5 Sep 2019 15:04

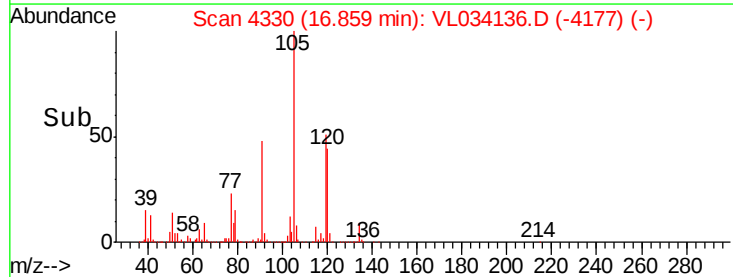
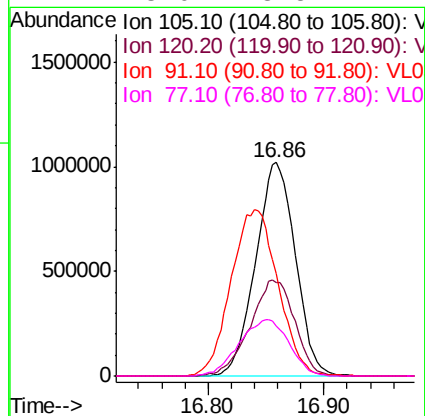
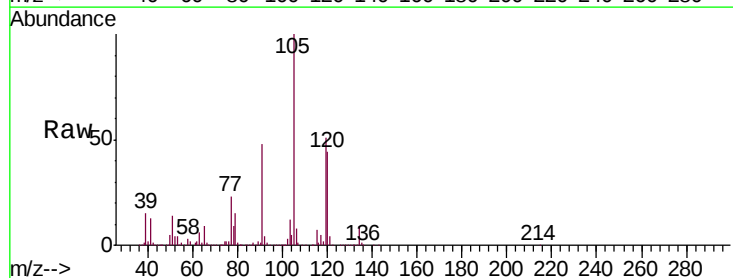
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

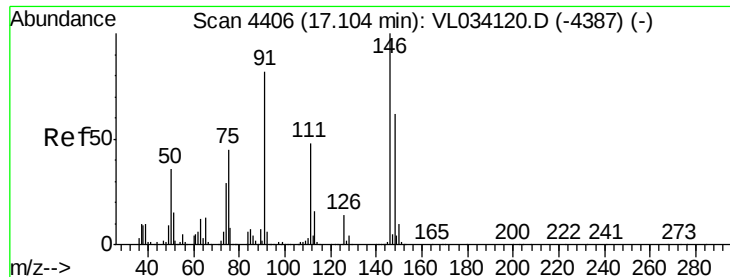
Tgt Ion:105 Resp: 2428891
 Ion Ratio Lower Upper
 105 100
 120 47.1 35.8 53.8



#74
 1,2,4-Trimethylbenzene
 Concen: 7.237 ppbv
 RT: 16.86 min Scan# 4330
 Delta R.T. -0.01 min
 Lab File: VL034136.D
 Acq: 5 Sep 2019 15:04

Tgt Ion:105 Resp: 2421760
 Ion Ratio Lower Upper
 105 100
 120 44.0 37.7 56.5
 91 47.7 36.2 54.2
 77 23.0 18.5 27.7





#75

1,3-Dichlorobenzene

Concen: 7.363 ppbv

RT: 17.10 min Scan# 4405

Delta R.T. -0.00 min

Lab File: VL034136.D

Acq: 5 Sep 2019 15:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

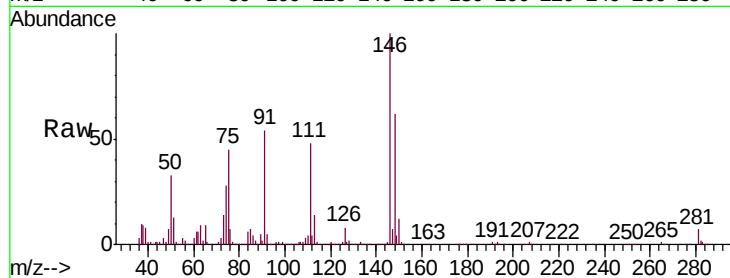
Tgt Ion:146 Resp: 1305386

Ion Ratio Lower Upper

146 100

111 49.5 24.9 74.7

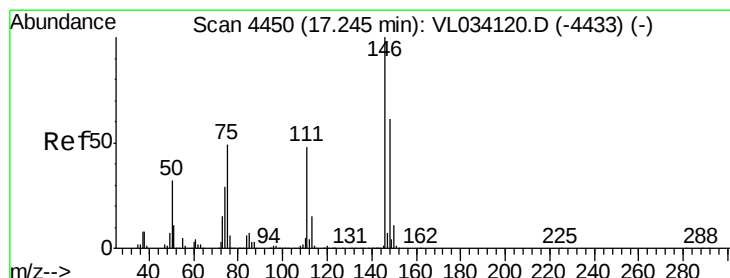
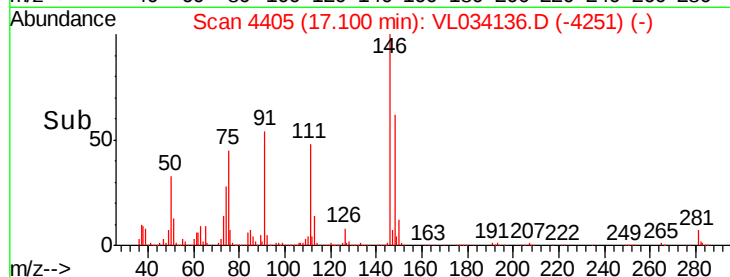
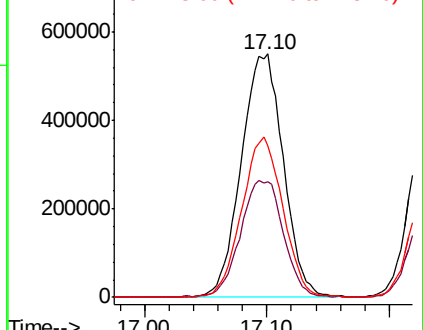
148 64.6 32.5 97.5



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: 7.262 ppbv

RT: 17.24 min Scan# 4448

Delta R.T. -0.01 min

Lab File: VL034136.D

Acq: 5 Sep 2019 15:04

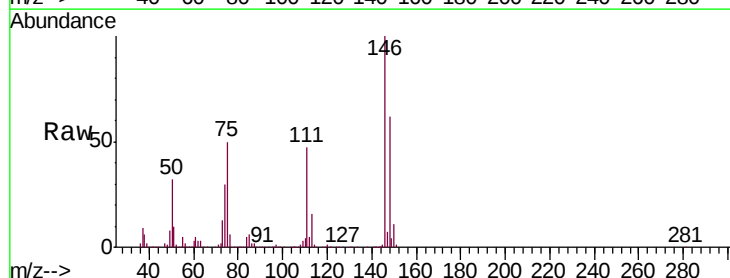
Tgt Ion:146 Resp: 1349495

Ion Ratio Lower Upper

146 100

111 48.0 24.3 72.8

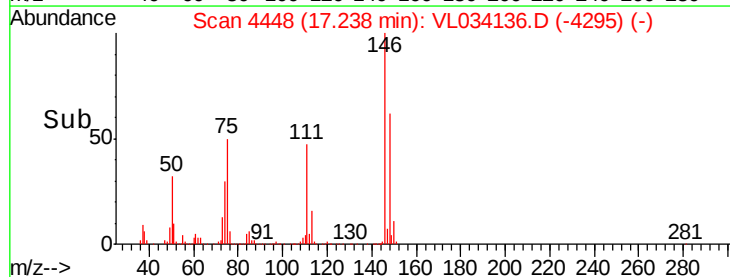
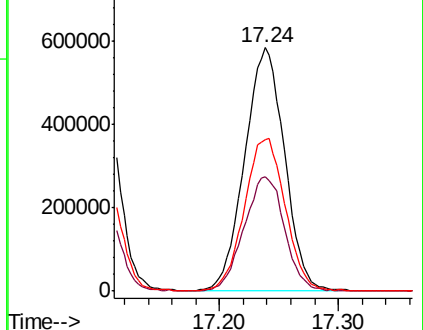
148 64.6 32.6 98.0

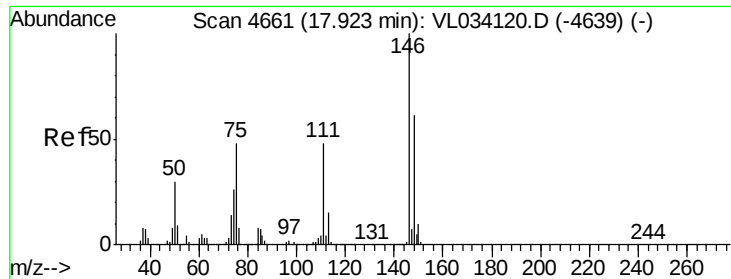


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

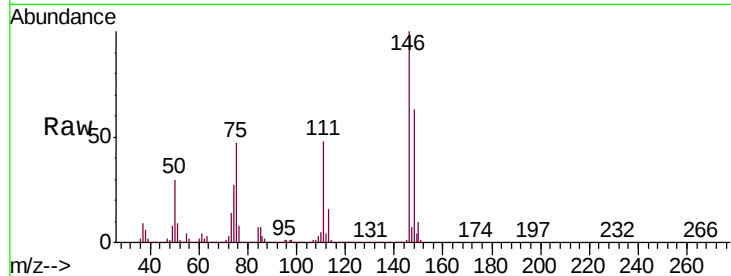




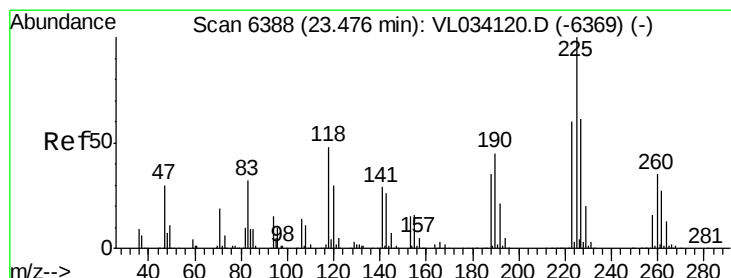
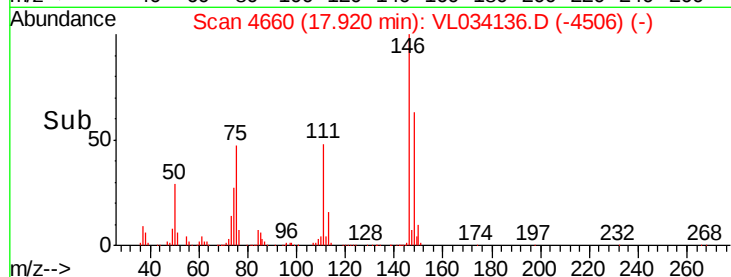
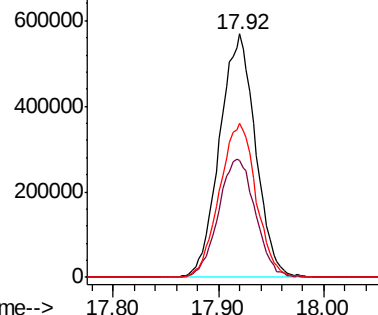
#77
 1,2-Dichlorobenzene
 Concen: 7.428 ppbv
 RT: 17.92 min Scan# 4660
 Delta R.T. -0.00 min
 Lab File: VL034136.D
 Acq: 5 Sep 2019 15:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:146 Resp: 1348200
 Ion Ratio Lower Upper
 146 100
 111 49.9 25.1 75.4
 148 64.6 32.0 96.2

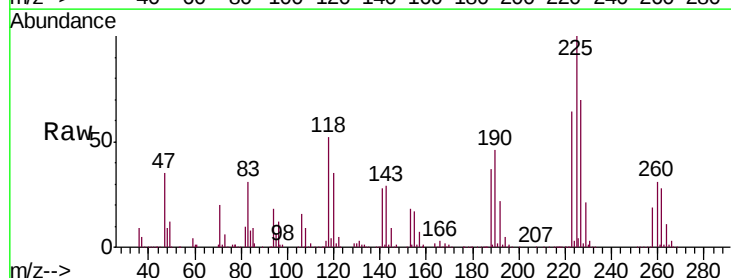


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

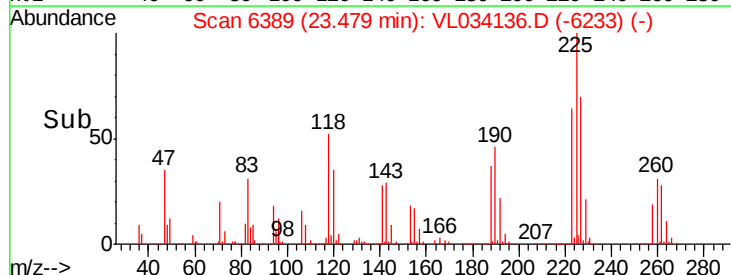
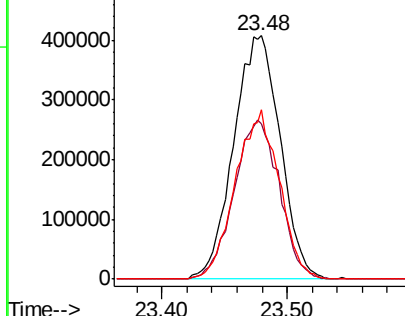


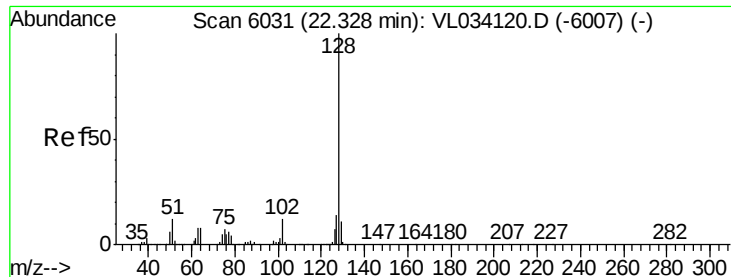
#78
 Hexachloro-1,3-Butadiene
 Concen: 8.439 ppbv
 RT: 23.48 min Scan# 6389
 Delta R.T. 0.00 min
 Lab File: VL034136.D
 Acq: 5 Sep 2019 15:04

Tgt Ion:225 Resp: 1045038
 Ion Ratio Lower Upper
 225 100
 223 63.8 50.3 75.5
 227 65.8 50.9 76.3



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

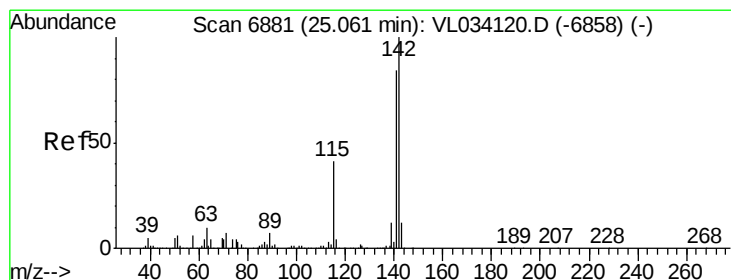
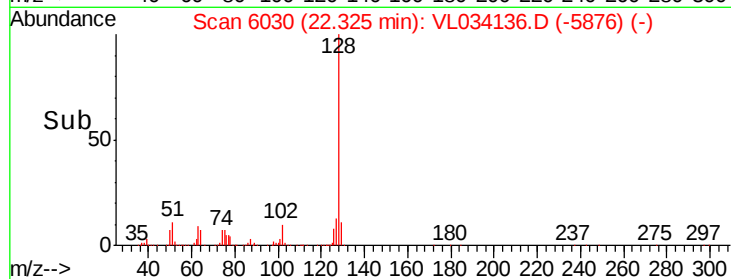
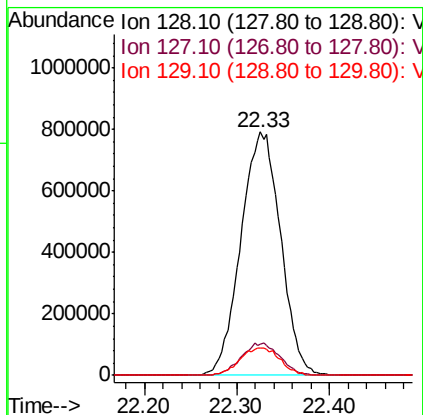
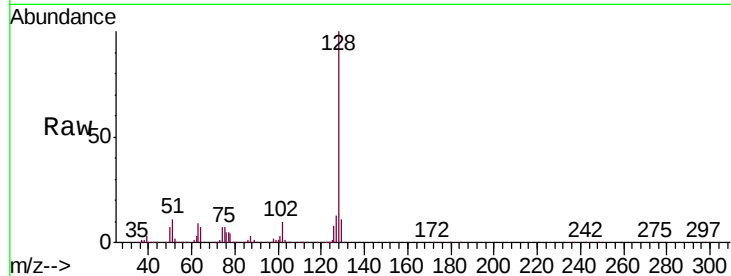




#79
Naphthalene
Concen: 7.782 ppbv
RT: 22.33 min Scan# 6030
Delta R.T. -0.00 min
Lab File: VL034136.D
Acq: 5 Sep 2019 15:04

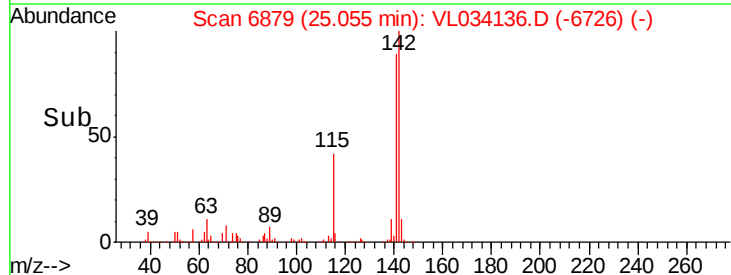
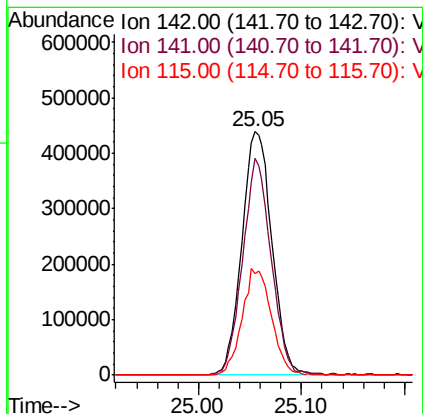
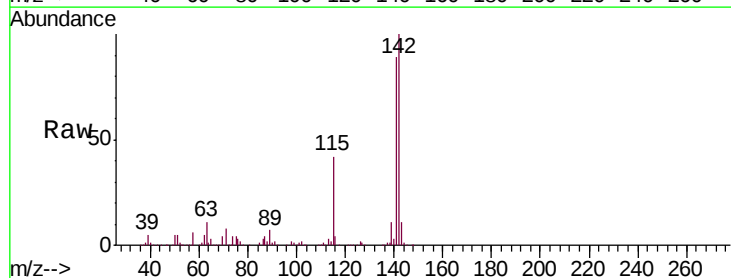
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

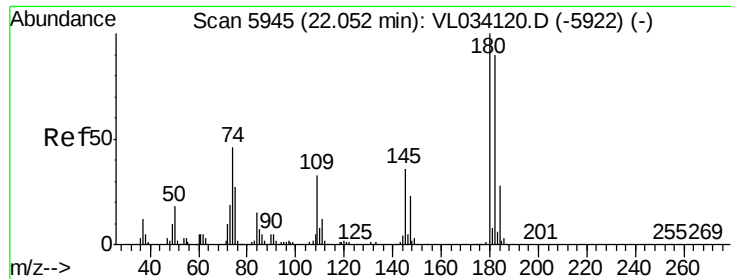
Tgt Ion:128 Resp: 2353980
Ion Ratio Lower Upper
128 100
127 13.0 10.9 16.3
129 11.2 8.5 12.7



#80
Naphthalene, 2-methyl-
Concen: 8.499 ppbv
RT: 25.05 min Scan# 6879
Delta R.T. -0.01 min
Lab File: VL034136.D
Acq: 5 Sep 2019 15:04

Tgt Ion:142 Resp: 892420
Ion Ratio Lower Upper
142 100
141 83.9 67.6 101.4
115 42.8 34.6 52.0





#81
 1,2,4-Trichlorobenzene
 Concen: 7.253 ppbv
 RT: 22.05 min Scan# 5945
 Delta R.T. -0.00 min
 Lab File: VL034136.D
 Acq: 5 Sep 2019 15:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:180 Resp: 1193823
 Ion Ratio Lower Upper
 180 100
 182 95.9 77.0 115.4
 184 30.8 25.5 38.3

