

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022421\
 Data File : VL036344.D
 Acq On : 24 Feb 2021 9:42
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Feb 25 05:15:47 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1704450	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.17	114	3978779	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3836478	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3145269	9.96	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	2122418	8.344	ppbv 99
3) Chlorodifluoromethane	2.98	51	1982609	9.362	ppbv 98
4) Chloromethane	3.14	50	955553	9.339	ppbv 100
5) Vinyl Chloride	3.25	62	956926	10.044	ppbv 96
6) Bromomethane	3.47	94	556067	9.820	ppbv 99
7) Chloroethane	3.55	64	320269	9.467	ppbv 98
8) Dichlorotetrafluoroethane	3.18	85	2175541	9.403	ppbv 97
9) Propene	3.01	41	898245	11.376	ppbv 100
10) Heptane	8.12	43	2297261	9.872	ppbv 100
11) Trichlorofluoromethane	3.95	101	2329185	9.351	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1509316	9.782	ppbv 100
13) Ethanol	3.60	45	64744	4.366	ppbv # 1
14) Bromoethene	3.74	108	649386	10.056	ppbv 98
15) Acetone	3.84	43	1838976	8.826	ppbv 98
16) 1,3-Butadiene	3.32	39	929152	9.326	ppbv 98
17) tert-Butyl alcohol	4.29	59	1899679	11.746	ppbv 99
18) 1,1-Dichloroethene	4.29	96	661311	9.431	ppbv 97
19) Isopropyl Alcohol	3.96	45	1260349	10.919	ppbv 99
20) Methylene Chloride	4.34	84	584678	8.698	ppbv 90
21) Allyl Chloride	4.41	41	1097795	9.464	ppbv 99
22) trans-1,2-Dichloroethene	4.88	96	640398	10.054	ppbv 95
23) Vinyl Acetate	5.07	43	2390638	9.759	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1806501	9.971	ppbv 99
25) Ethyl Acetate	5.67	43	3807618	9.466	ppbv 99
26) Hexane	5.68	57	1585535	9.594	ppbv 99
27) Carbon Disulfide	4.55	76	1710352	11.261	ppbv 98
28) Methyl tert-Butyl Ether	5.03	73	2226759	10.314	ppbv 100
29) Chloroform	5.75	83	2542562	9.550	ppbv 100
30) Cyclohexane	7.13	84	1335715	9.718	ppbv 98
31) cis-1,2-Dichloroethene	5.55	61	1601977	9.797	ppbv 93
32) 1,1,1-Trichloroethane	6.51	97	2494550	10.022	ppbv 99
34) 2-Butanone	5.24	43	2463972	9.321	ppbv 99
35) Carbon Tetrachloride	7.01	117	2521326	9.455	ppbv 98
36) Benzene	6.89	78	3320286	9.824	ppbv 99
37) 1,2-Dichloroethane	6.31	62	2005817	9.599	ppbv 100
38) Trichloroethene	7.83	130	1140656	9.421	ppbv 95
39) 1,2-Dichloropropane	7.61	63	1345255	9.798	ppbv 99
40) 1,4-Dioxane	7.83	88	216076	4.542	ppbv # 1
41) Tetrahydrofuran	6.04	42	1468865	9.957	ppbv 99
42) Bromodichloromethane	7.79	83	2726379	9.742	ppbv 96
43) Methyl Methacrylate	8.01	69	1494908	10.488	ppbv 98

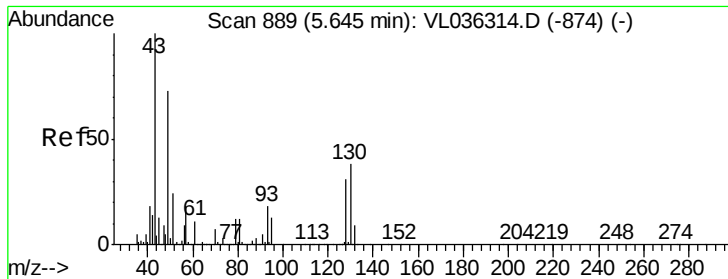
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022421\
 Data File : VL036344.D
 Acq On : 24 Feb 2021 9:42
 Operator : SY/AP
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5644617	9.185	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1613654	11.735	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1943166	11.125	ppbv	95
47) 1,1,2-Trichloroethane	9.48	97	1323087	9.416	ppbv	97
48) Dibromochloromethane	10.30	129	2162107	10.312	ppbv	98
49) Bromoform	13.04	173	1800121	10.620	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	3863756	9.845	ppbv	100
51) 2-Hexanone	10.13	43	3135477	10.515	ppbv #	100
52) Tetrachloroethene	11.22	164	1099941	8.890	ppbv	96
53) Toluene	9.81	91	3695196	10.094	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1973716	9.720	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.13	131	1631432	9.245	ppbv #	57
57) Chlorobenzene	12.15	112	2659713	8.973	ppbv	98
58) Ethyl Benzene	12.71	91	4982799	9.485	ppbv	98
59) m/p-Xylene	13.00	91	4725624	10.241	ppbv #	46
60) o-Xylene	13.69	91	3946475	8.945	ppbv	100
61) Styrene	13.53	104	2822412	10.322	ppbv	99
62) Isopropylbenzene	14.67	105	5849873	8.846	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	2817589	8.094	ppbv	99
64) n-propylbenzene	15.56	120	1530684	9.405	ppbv	100
65) tert-Butylbenzene	16.74	119	5036871	8.902	ppbv	98
66) Benzyl Chloride	16.99	91	1826647	11.875	ppbv	100
67) sec-Butylbenzene	17.30	105	7126213	8.733	ppbv	99
69) p-Isopropyltoluene	17.65	119	5862302	9.296	ppbv	99
70) n-Butylbenzene	18.55	91	6182370	9.142	ppbv	99
71) 2-Chlorotoluene	15.46	91	4601440	9.077	ppbv	97
72) 4-Ethyltoluene	15.84	105	4612603	9.394	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4315853	9.068	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	4402804	9.061	ppbv	97
75) 1,3-Dichlorobenzene	17.00	146	2357279	8.938	ppbv	98
76) 1,4-Dichlorobenzene	17.14	146	2376054	8.676	ppbv	96
77) 1,2-Dichlorobenzene	17.82	146	2357475	9.010	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1689450	7.904	ppbv	100
79) Naphthalene	22.20	128	1504269	5.223	ppbv	98
80) Naphthalene, 2-methyl-	24.98	142	1152403	21.608	ppbv	99
81) 1,2,4-Trichlorobenzene	21.93	180	1739545	9.899	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Instrument :

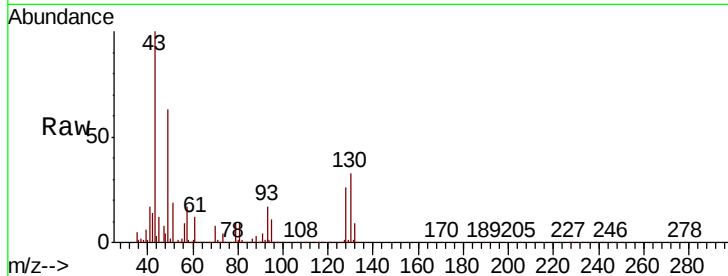
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1704450

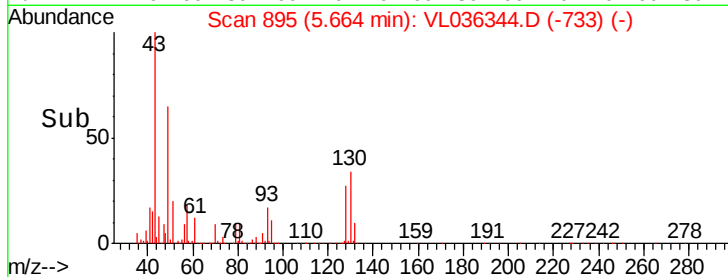
Ion	Ratio	Lower	Upper
49	100		
128	43.5	20.8	62.5
130	55.0	26.7	80.1



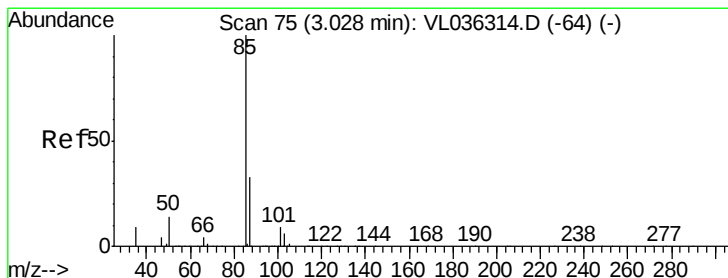
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 8.344 ppbv

RT: 3.04 min Scan# 80

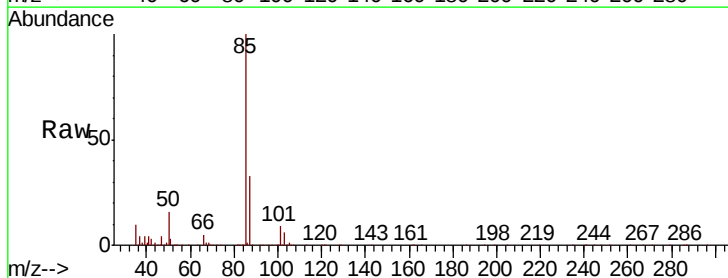
Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

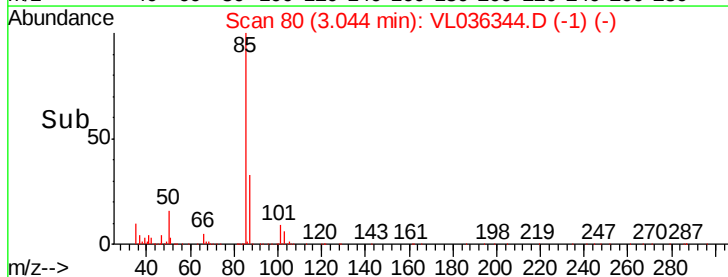
Tgt Ion: 85 Resp: 2122418

Ion	Ratio	Lower	Upper
85	100		
87	32.6	26.5	39.7

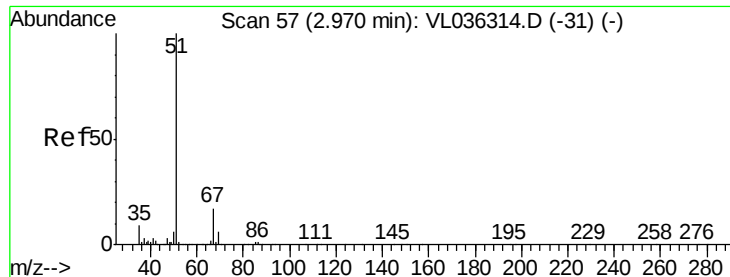


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



Time-->



#3

Chlorodifluoromethane

Concen: 9.362 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.01 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

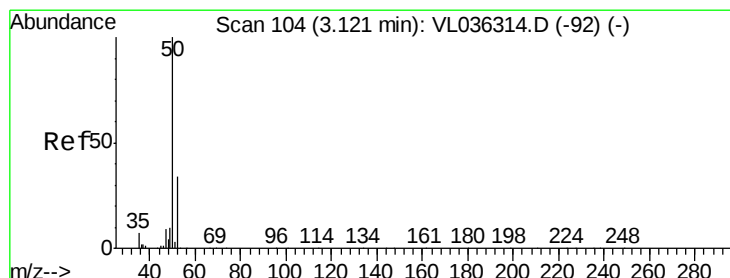
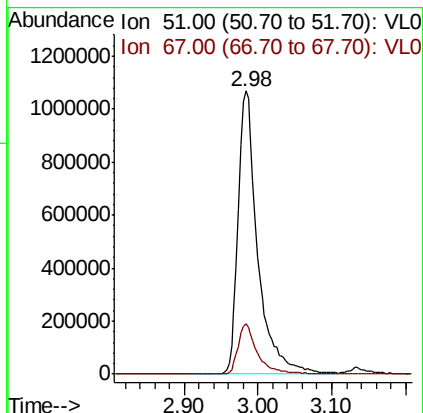
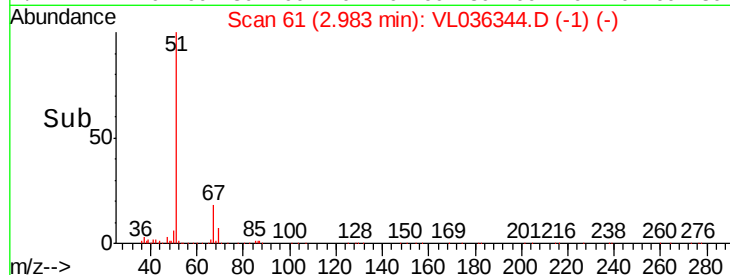
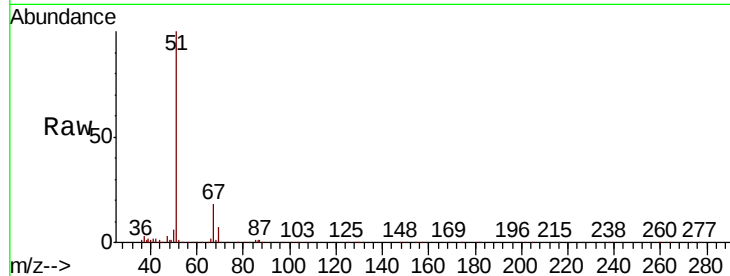
VSTDCCC010

Tot Ion: 51 Resp: 1982609

Ion Ratio Lower Upper

51 100

67 17.5 14.7 22.1



#4

Chloromethane

Concen: 9.339 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.02 min

Lab File: VL036344.D

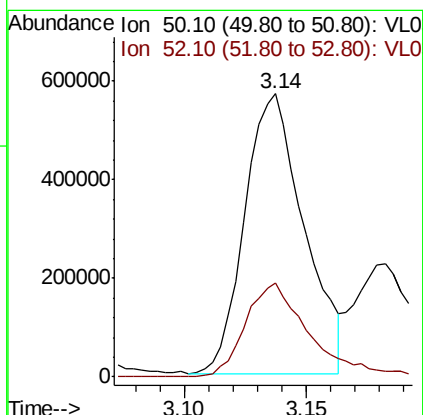
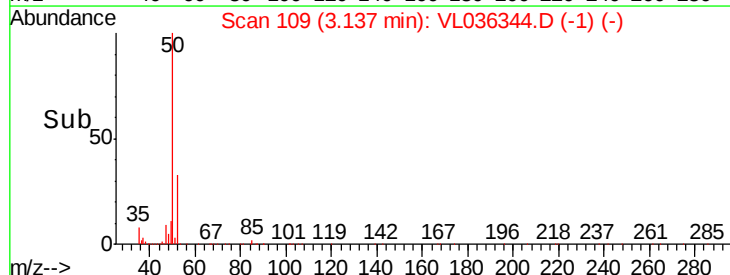
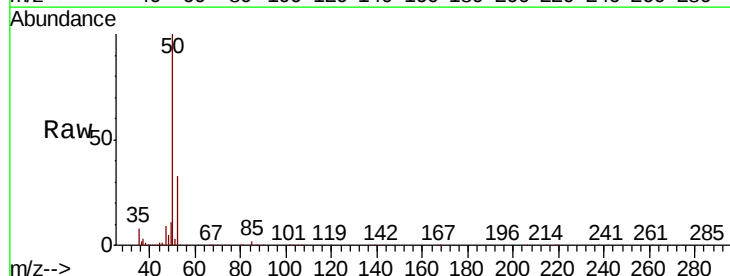
Acq: 24 Feb 2021 9:42

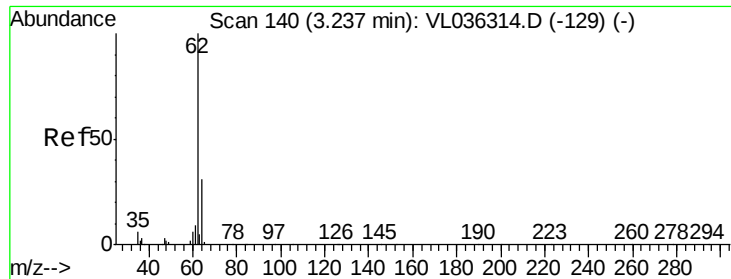
Tgt Ion: 50 Resp: 955553

Ion Ratio Lower Upper

50 100

52 33.4 27.0 40.4





#5

Vinyl Chloride

Concen: 10.044 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

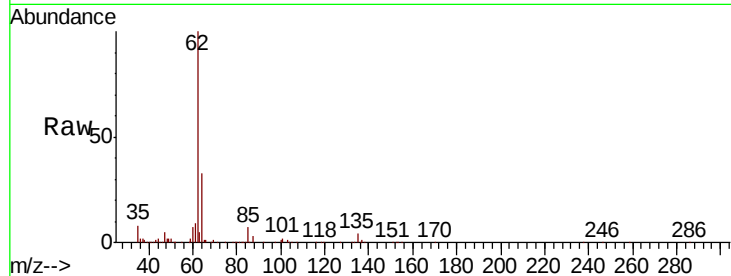
VSTDCCC010

Tot Ion: 62 Resp: 956926

Ion Ratio Lower Upper

62 100

64 32.6 24.4 36.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

600000

500000

400000

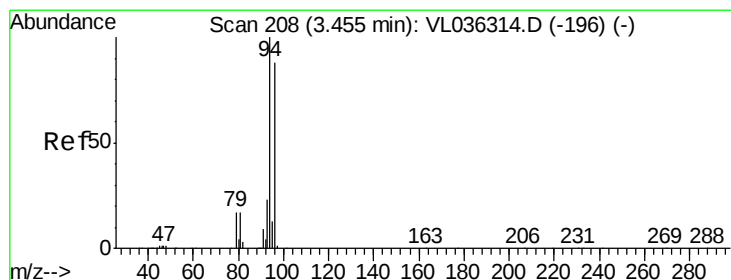
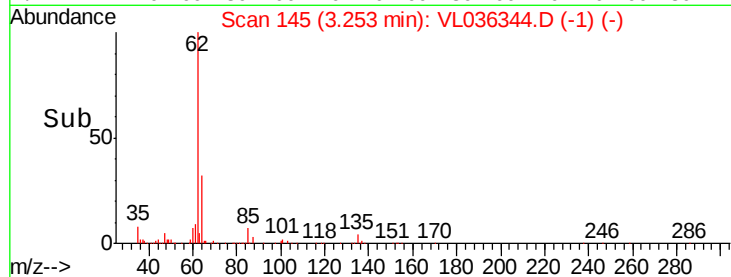
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.820 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.01 min

Lab File: VL036344.D

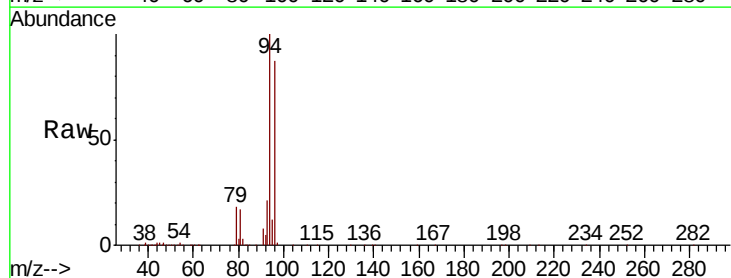
Acq: 24 Feb 2021 9:42

Tgt Ion: 94 Resp: 556067

Ion Ratio Lower Upper

94 100

96 87.1 70.8 106.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

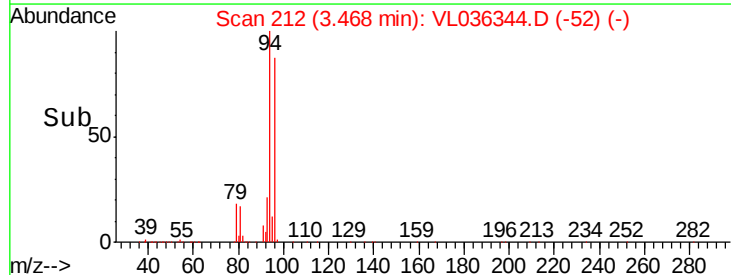
300000

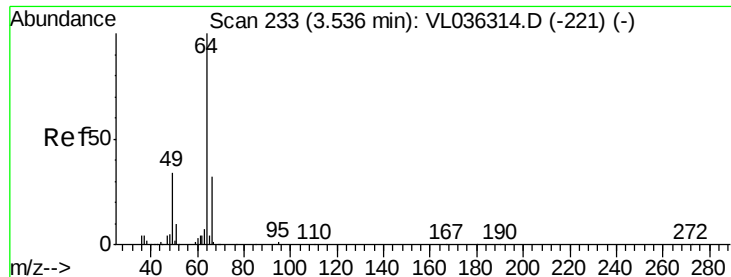
200000

100000

0

Time-->





#7

Chloroethane

Concen: 9.467 ppbv

RT: 3.55 min Scan# 238

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

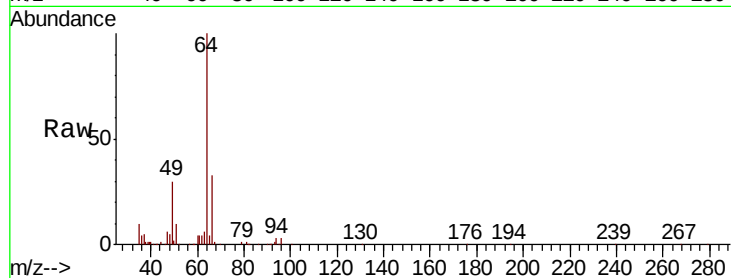
VSTDCCC010

Tot Ion: 64 Resp: 320269

Ion Ratio Lower Upper

64 100

66 32.9 25.6 38.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

200000

150000

100000

50000

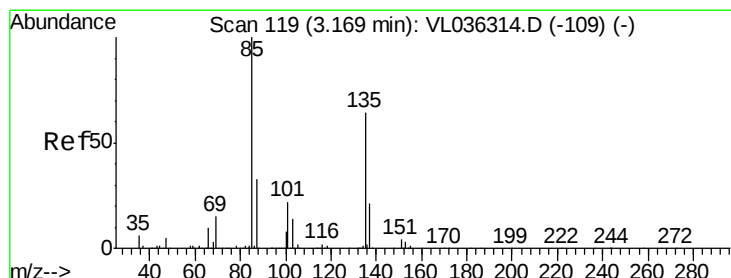
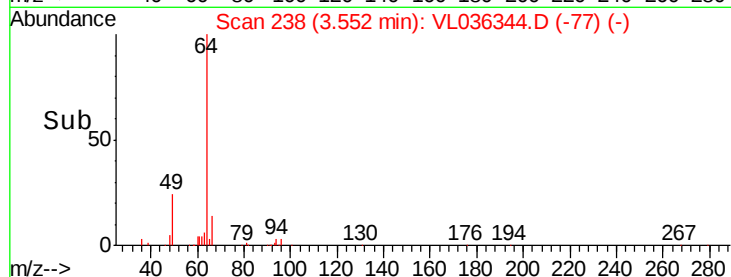
0

3.55

3.50

3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.403 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.01 min

Lab File: VL036344.D

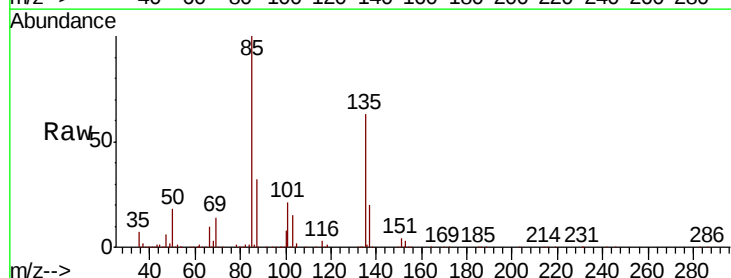
Acq: 24 Feb 2021 9:42

Tgt Ion: 85 Resp: 2175541

Ion Ratio Lower Upper

85 100

135 65.9 51.1 76.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1500000

1000000

500000

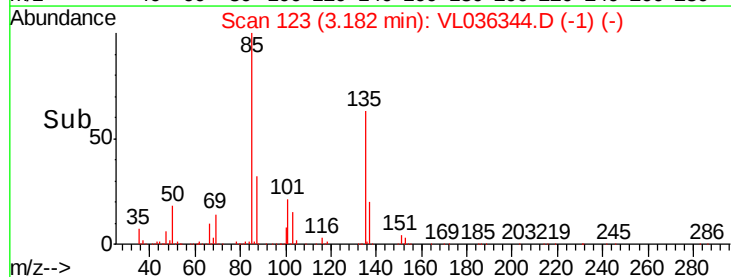
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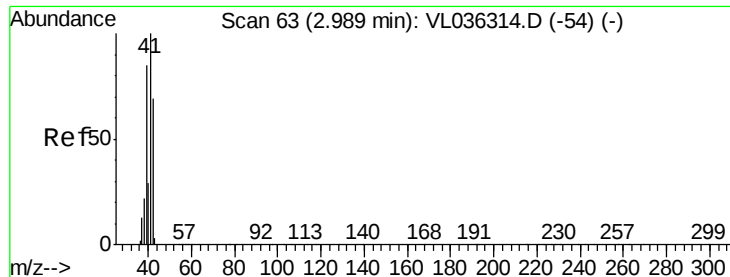
3.18

3.10

3.25

Time-->





#9

Propene

Concen: 11.376 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

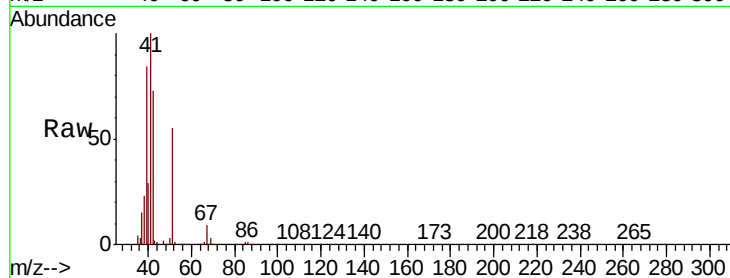
VSTDCCC010

Tot Ion: 41 Resp: 898245

Ion Ratio Lower Upper

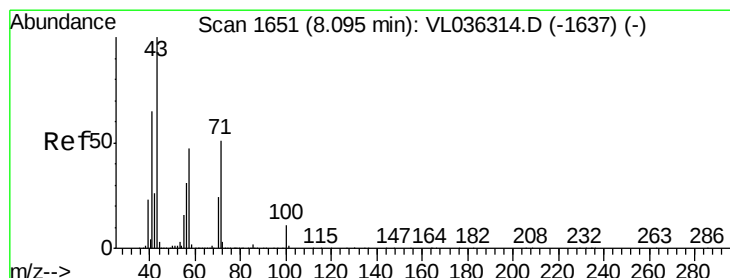
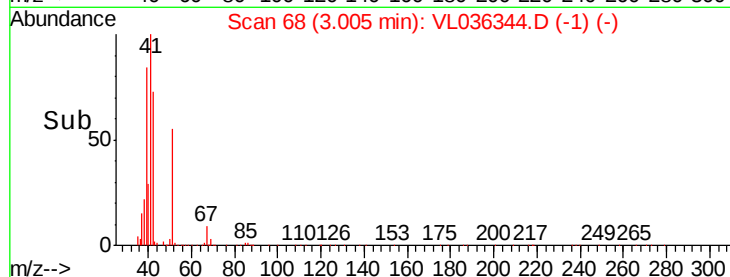
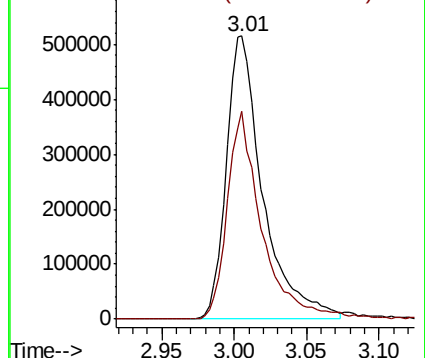
41 100

42 70.5 56.2 84.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.872 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. 0.02 min

Lab File: VL036344.D

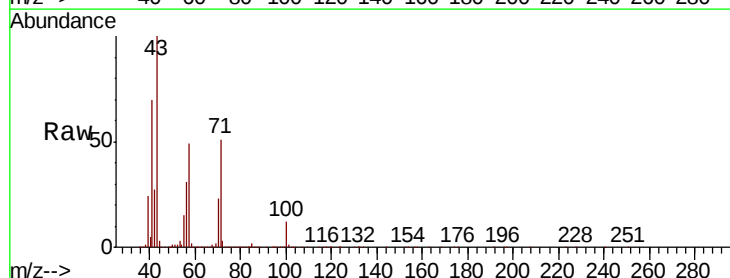
Acq: 24 Feb 2021 9:42

Tgt Ion: 43 Resp: 2297261

Ion Ratio Lower Upper

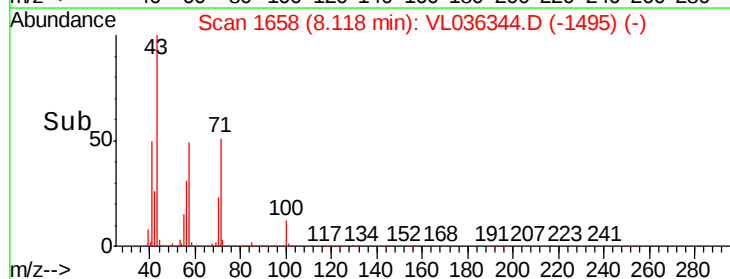
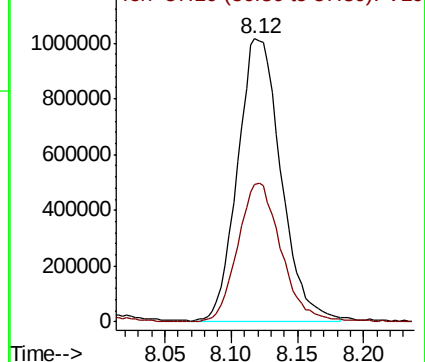
43 100

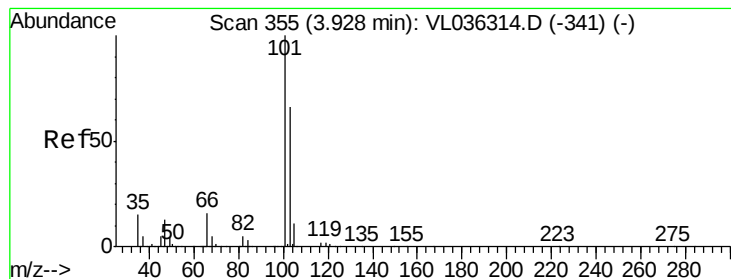
57 49.4 39.4 59.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 9.351 ppbv

RT: 3.95 min Scan# 361

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

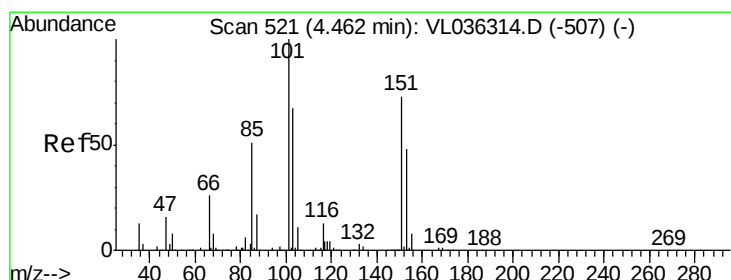
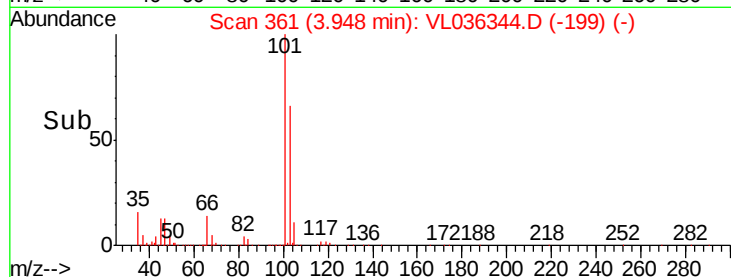
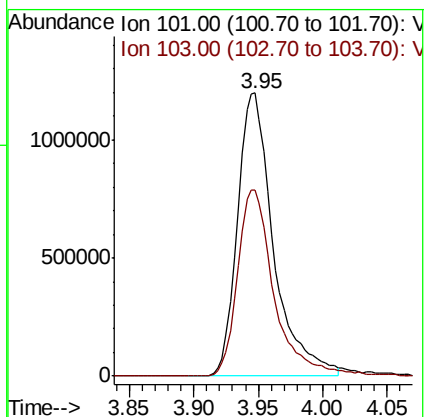
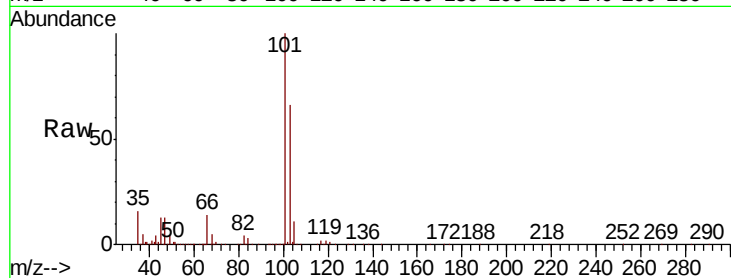
VSTDCCC010

Tot Ion:101 Resp: 2329185

Ion Ratio Lower Upper

101 100

103 65.7 52.9 79.3



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.782 ppbv

RT: 4.48 min Scan# 527

Delta R.T. 0.02 min

Lab File: VL036344.D

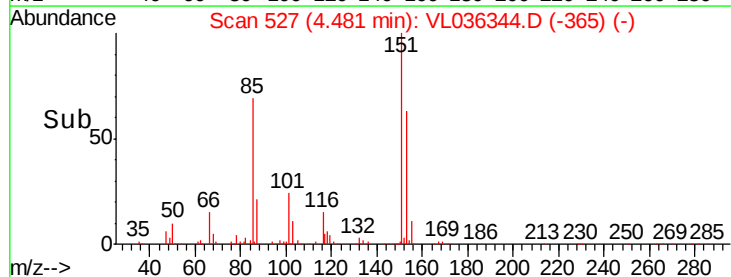
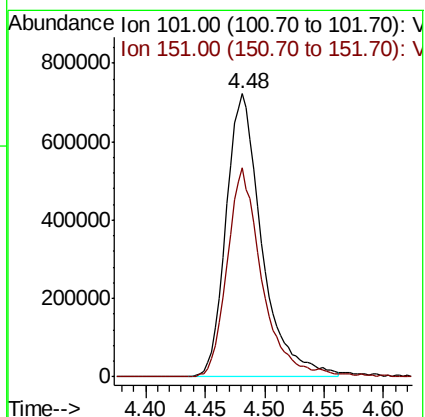
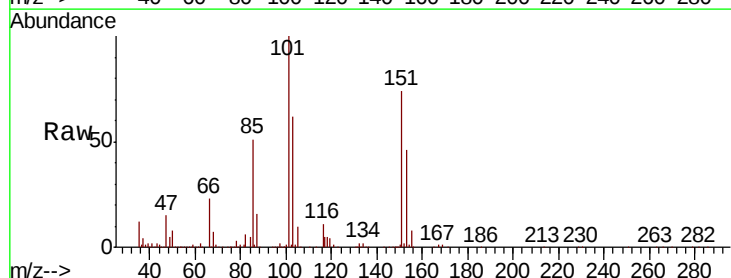
Acq: 24 Feb 2021 9:42

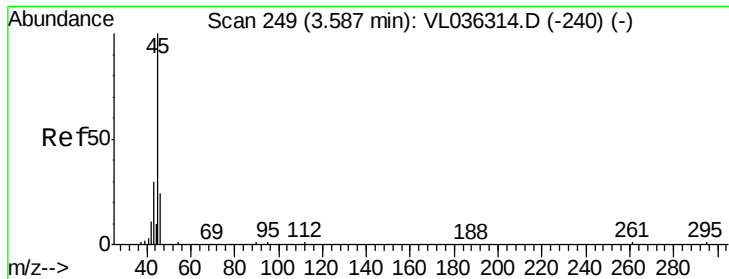
Tgt Ion:101 Resp: 1509316

Ion Ratio Lower Upper

101 100

151 72.4 58.2 87.4

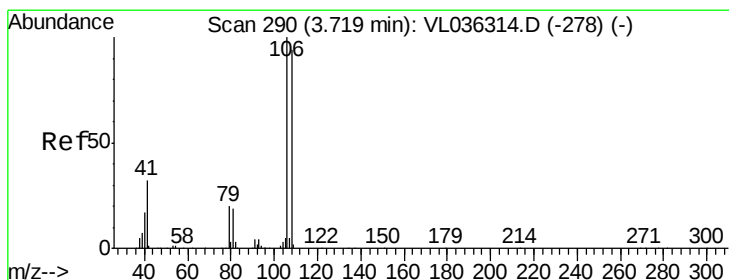
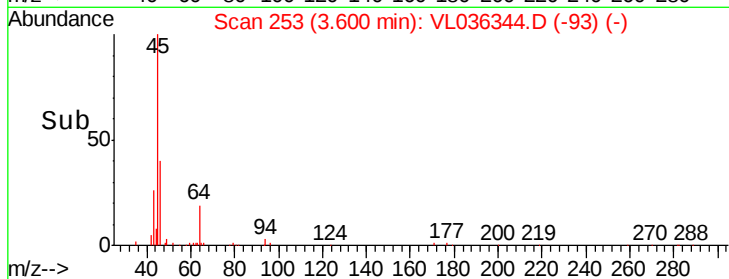
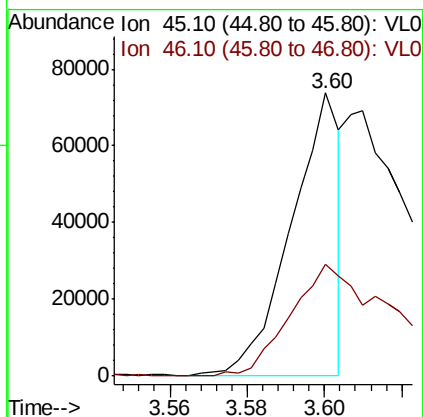
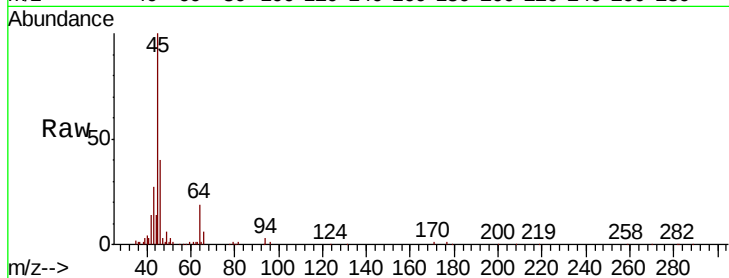




#13
Ethanol
Concen: 4.366 ppbv
RT: 3.60 min Scan# 253
Delta R.T. 0.01 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

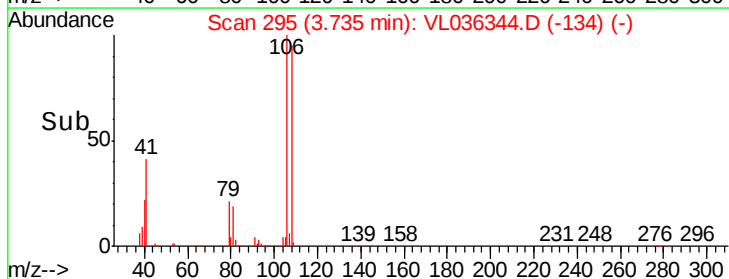
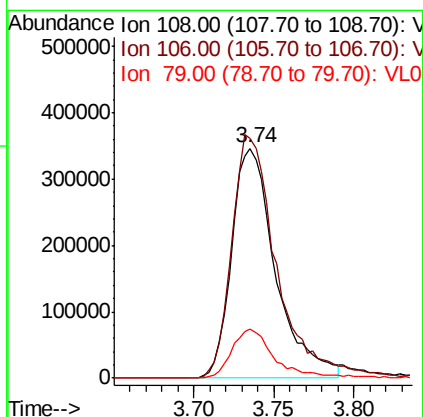
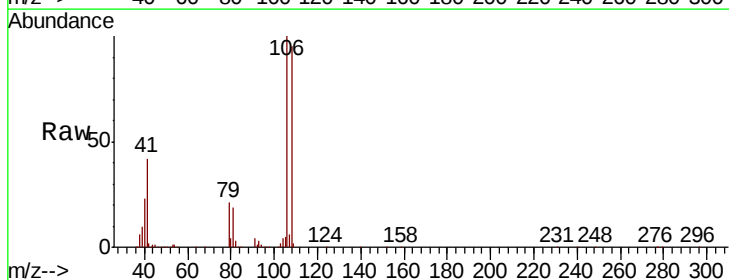
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

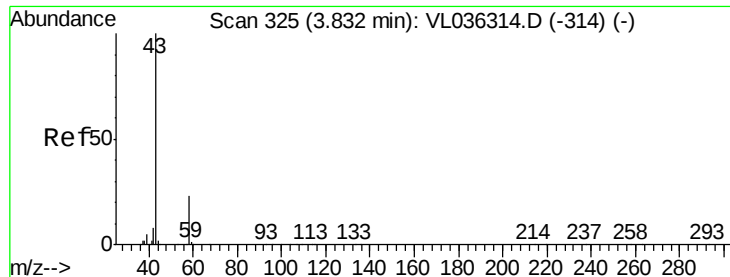
Tot Ion: 45 Resp: 64744
Ion Ratio Lower Upper
45 100
46 109.4 17.7 70.7#



#14
Bromoethene
Concen: 10.056 ppbv
RT: 3.74 min Scan# 295
Delta R.T. 0.02 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

Tgt Ion: 108 Resp: 649386
Ion Ratio Lower Upper
108 100
106 110.4 89.8 134.8
79 21.2 17.1 25.7





#15

Acetone

Concen: 8.826 ppbv

RT: 3.84 min Scan# 329

Delta R.T. 0.01 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

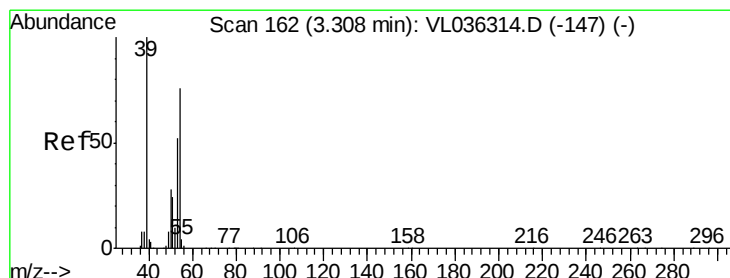
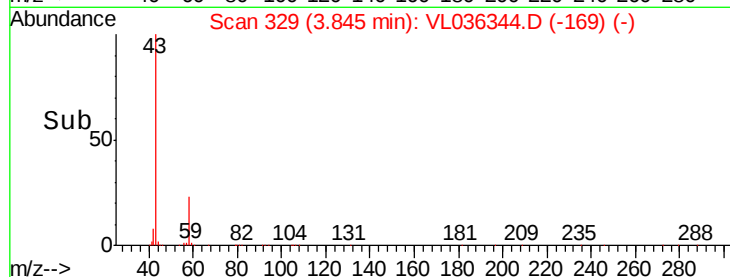
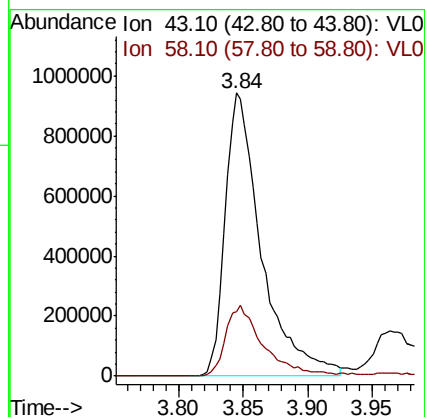
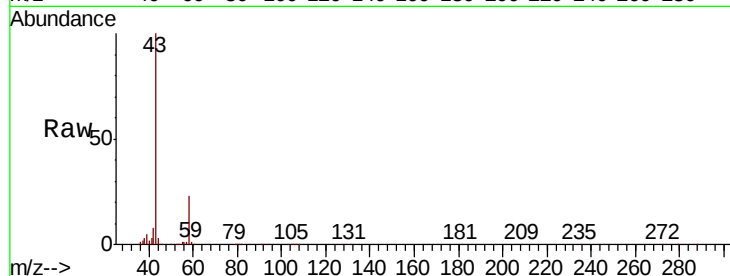
VSTDCCC010

Tot Ion: 43 Resp: 1838976

Ion Ratio Lower Upper

43 100

58 26.3 20.3 30.5



#16

1,3-Butadiene

Concen: 9.326 ppbv

RT: 3.32 min Scan# 166

Delta R.T. 0.01 min

Lab File: VL036344.D

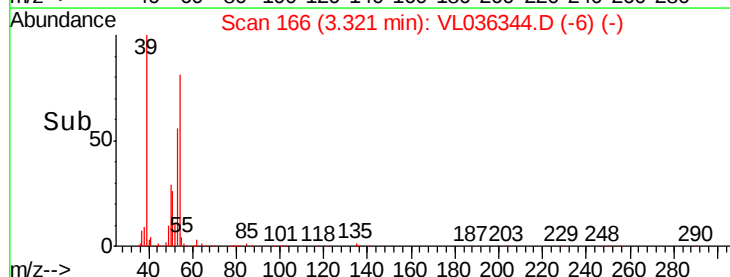
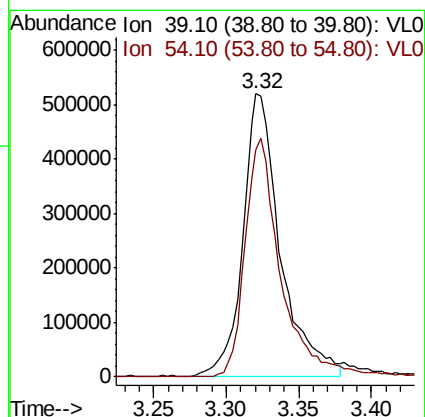
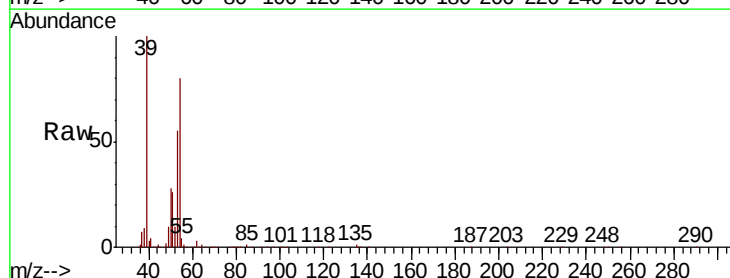
Acq: 24 Feb 2021 9:42

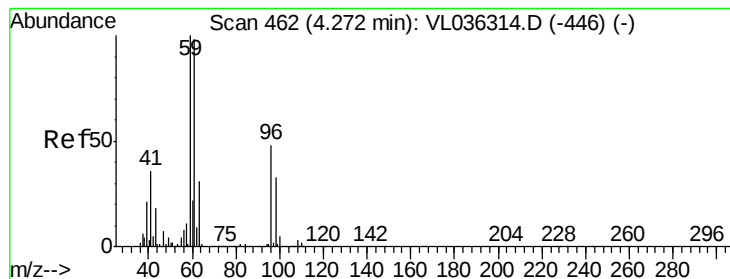
Tgt Ion: 39 Resp: 929152

Ion Ratio Lower Upper

39 100

54 82.0 64.4 96.6





#17

tert-Butyl alcohol

Concen: 11.746 ppbv

RT: 4.29 min Scan# 467

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

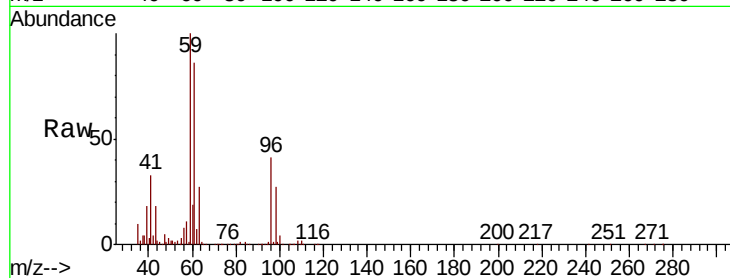
VSTDCCC010

Tot Ion: 59 Resp: 1899679

Ion Ratio Lower Upper

59 100

57 11.0 9.0 13.4



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

800000

600000

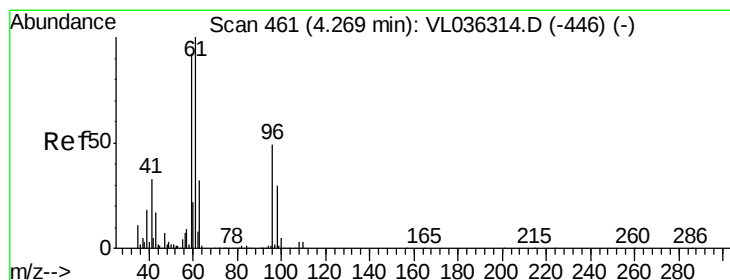
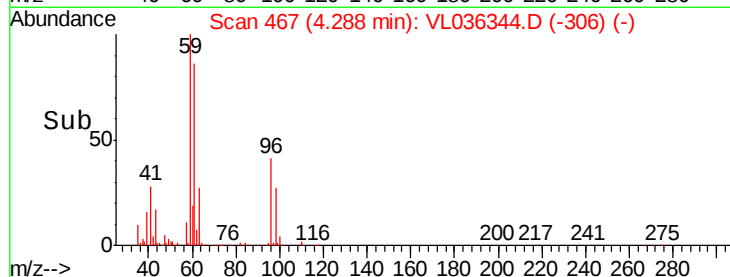
400000

200000

0

4.20 4.30 4.40

Time-->



#18

1,1-Dichloroethene

Concen: 9.431 ppbv

RT: 4.29 min Scan# 466

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

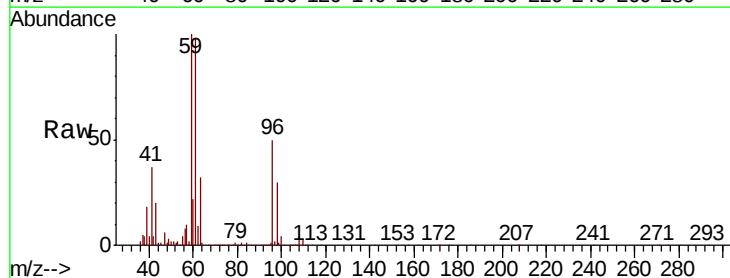
Tgt Ion: 96 Resp: 661311

Ion Ratio Lower Upper

96 100

61 196.5 162.5 243.7

98 60.9 48.5 72.7



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

1000000

800000

600000

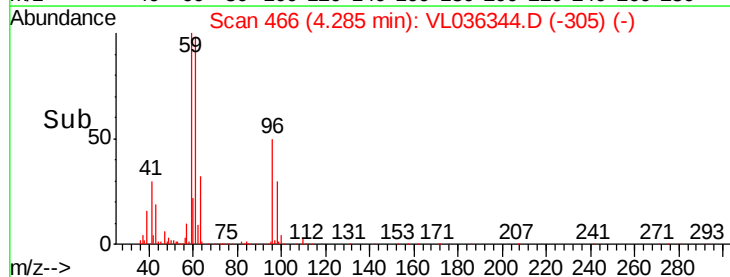
400000

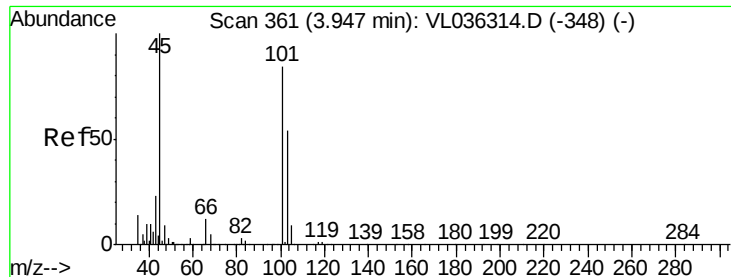
200000

0

4.20 4.25 4.30 4.35

Time-->



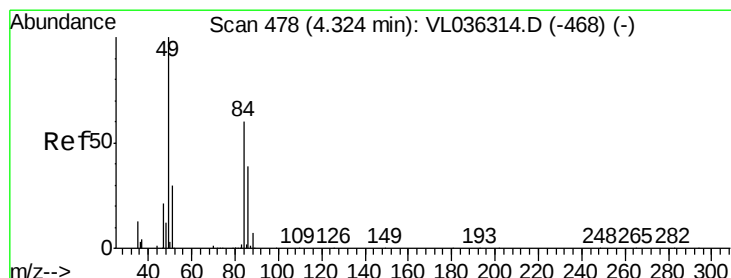
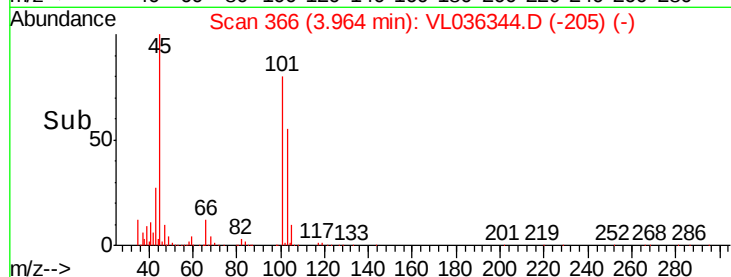
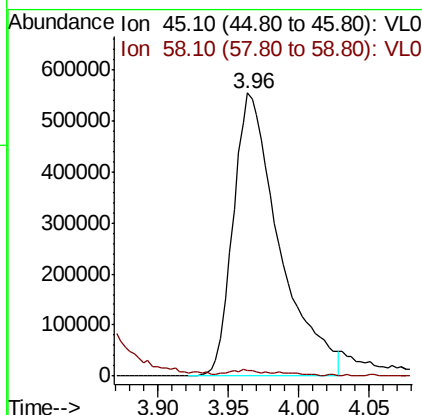
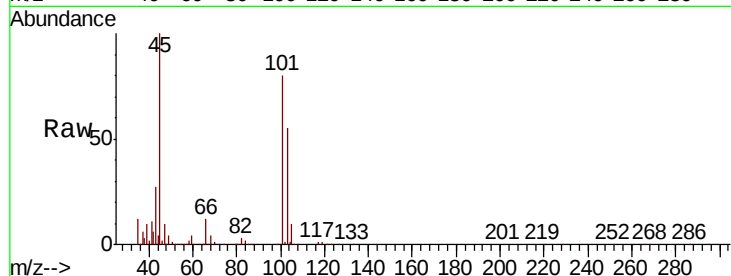


#19

Isopropyl Alcohol
 Concen: 10.919 ppbv
 RT: 3.96 min Scan# 366
 Delta R.T. 0.02 min
 Lab File: VL036344.D
 Acq: 24 Feb 2021 9:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

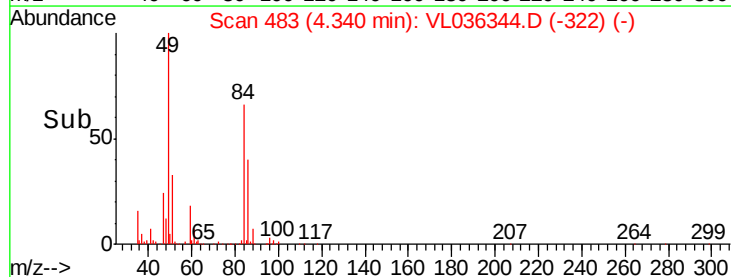
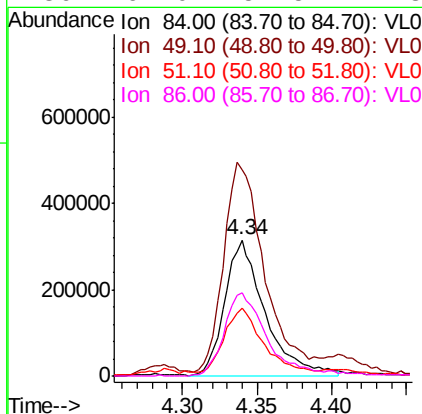
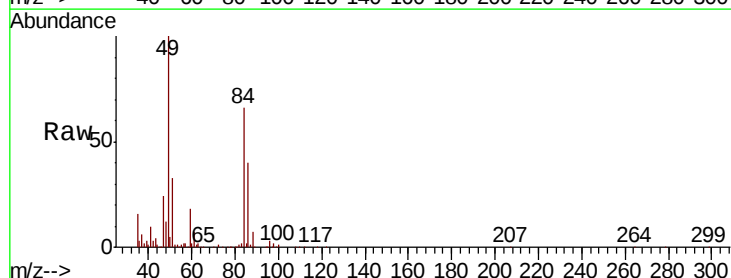
Tot Ion: 45 Resp: 1260349
 Ion Ratio Lower Upper
 45 100
 58 2.9 1.9 2.9

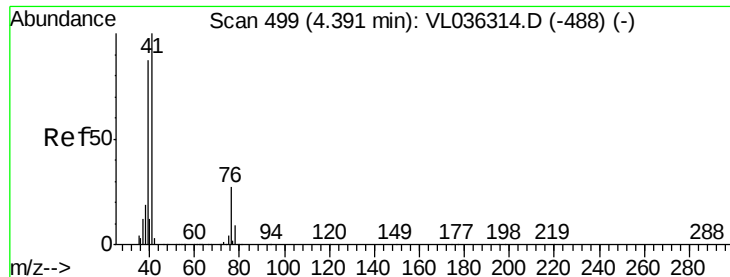


#20

Methylene Chloride
 Concen: 8.698 ppbv
 RT: 4.34 min Scan# 483
 Delta R.T. 0.02 min
 Lab File: VL036344.D
 Acq: 24 Feb 2021 9:42

Tgt Ion: 84 Resp: 584678
 Ion Ratio Lower Upper
 84 100
 49 148.9 133.8 200.8
 51 47.4 41.4 62.0
 86 61.0 51.5 77.3





#21

Allvl Chloride

Concen: 9.464 ppbv

RT: 4.41 min Scan# 504

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

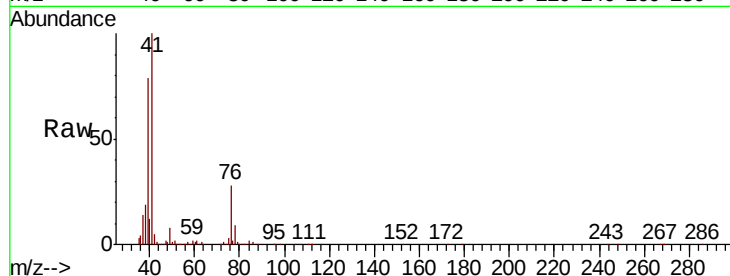
Tot Ion: 41 Resp: 1097795

Ion Ratio Lower Upper

41 100

76 28.4 22.0 33.0

39 86.4 70.2 105.2

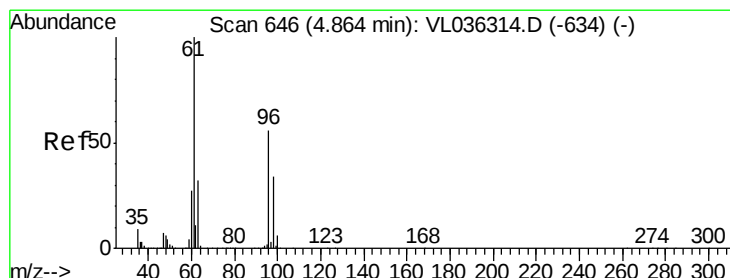
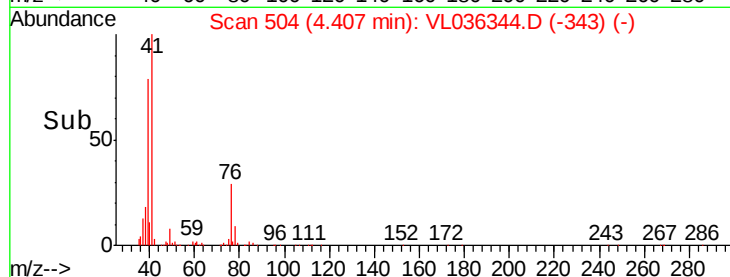
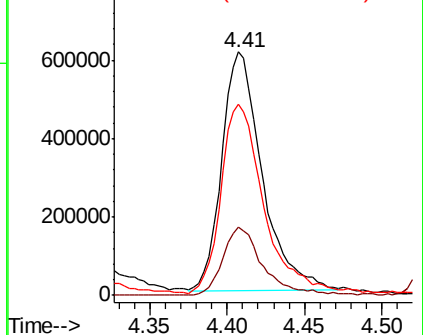


Abundance

Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 10.054 ppbv

RT: 4.88 min Scan# 651

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

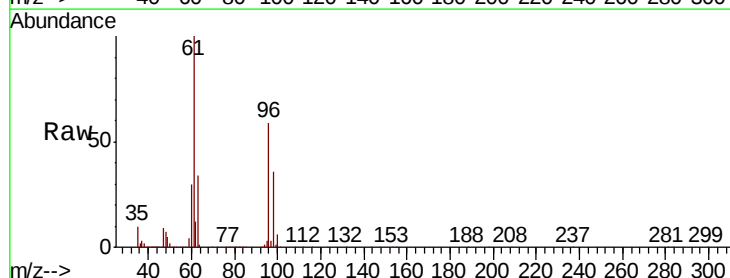
Tgt Ion: 96 Resp: 640398

Ion Ratio Lower Upper

96 100

61 170.3 143.7 215.5

98 60.6 48.5 72.7

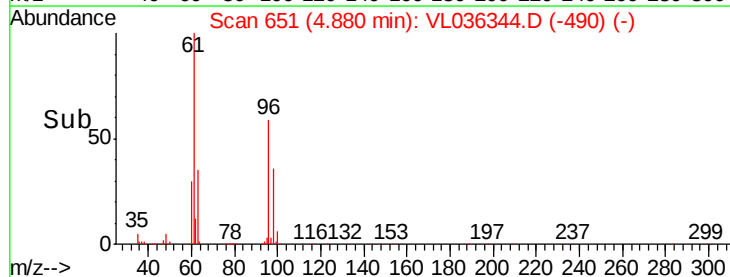
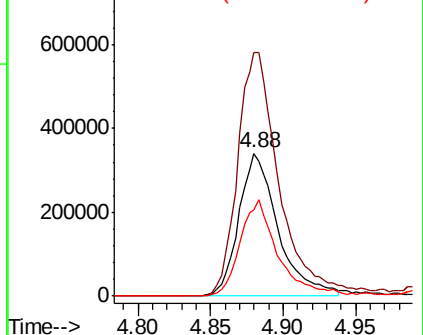


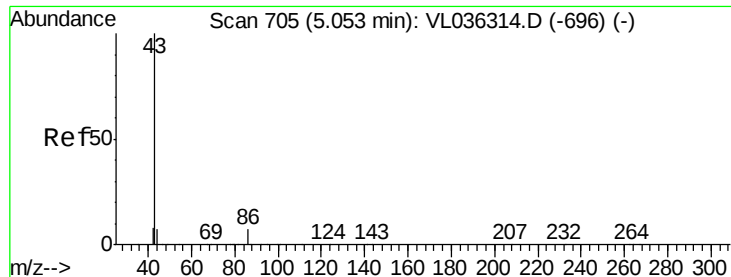
Abundance

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: 9.759 ppbv

RT: 5.07 min Scan# 710

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2390638

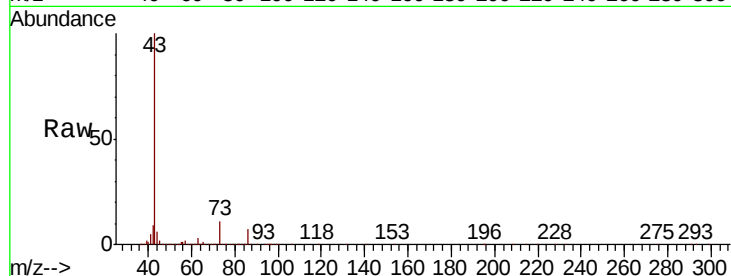
Ion	Ratio	Lower	Upper
43	100		
86	6.9	4.8	7.2
42	9.2	7.4	11.0
44	5.4	4.8	7.2

43 100

86 6.9 4.8 7.2

42 9.2 7.4 11.0

44 5.4 4.8 7.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0

1500000

1000000

500000

0

5.07

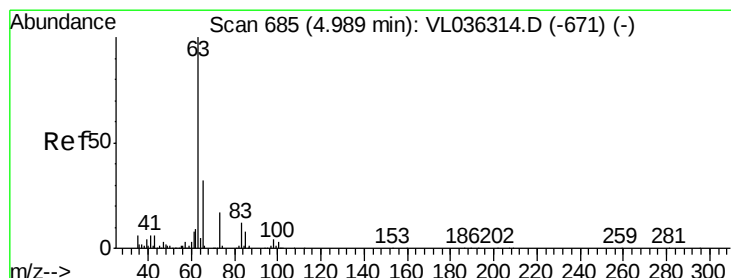
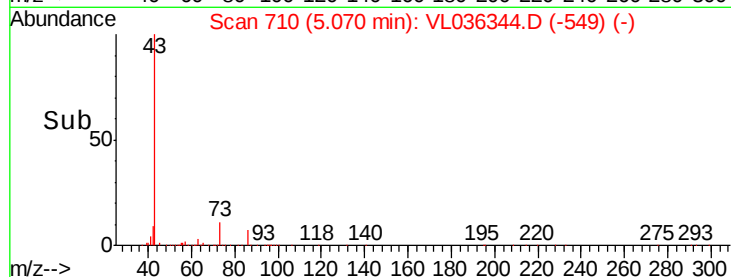
5.00

5.05

5.10

5.15

Time-->



#24

1,1-Dichloroethane

Concen: 9.971 ppbv

RT: 5.01 min Scan# 691

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

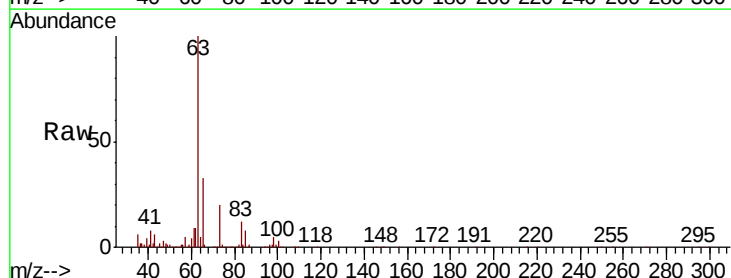
Tgt Ion: 63 Resp: 1806501

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.0	6.0
100	2.9	1.5	4.4

63 100

98 4.7 2.0 6.0

100 2.9 1.5 4.4



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

1200000

1000000

800000

600000

400000

200000

0

5.01

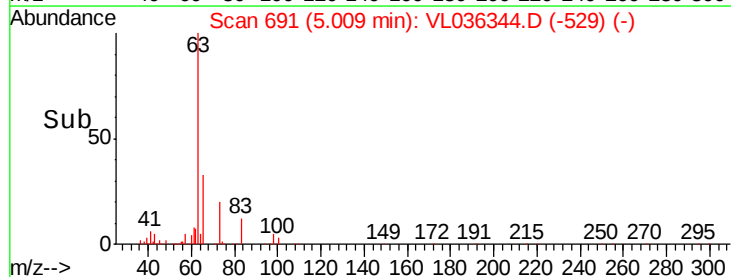
4.95

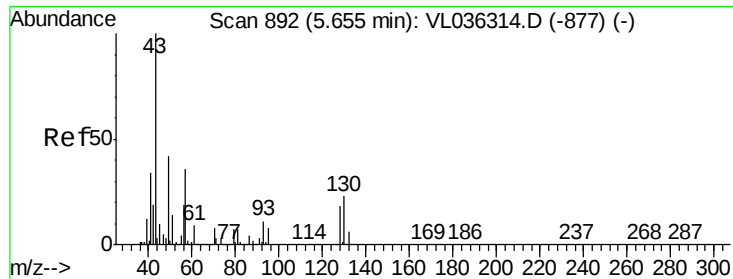
5.00

5.05

5.10

Time-->



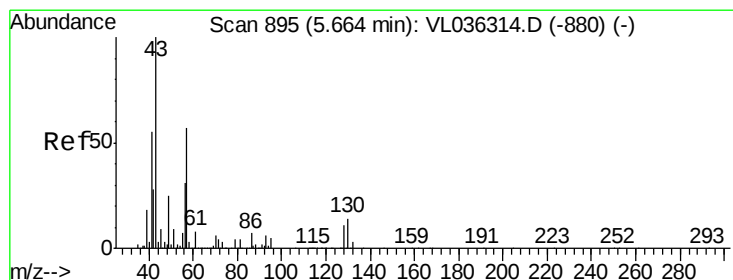
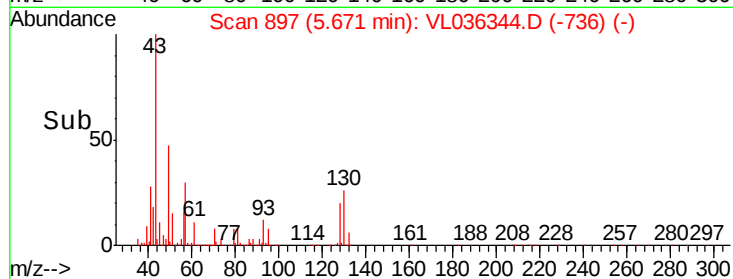
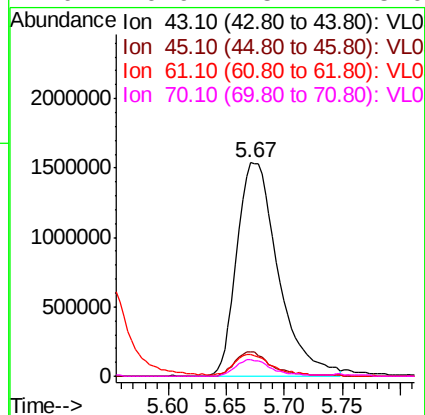
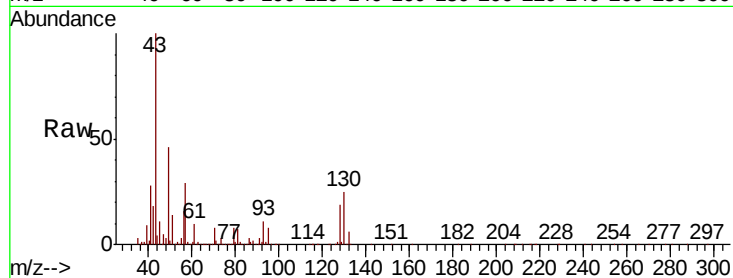


#25
Ethyl Acetate
Concen: 9.466 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.02 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 3807618

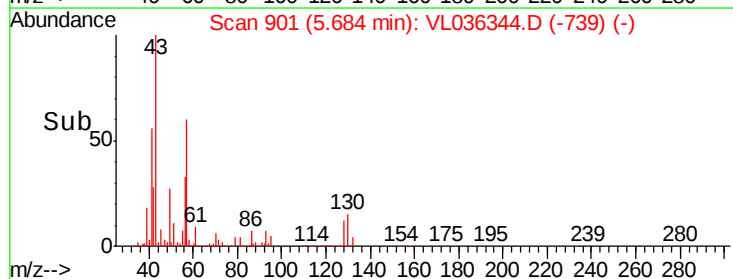
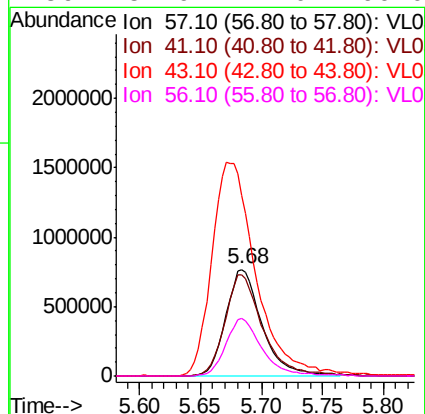
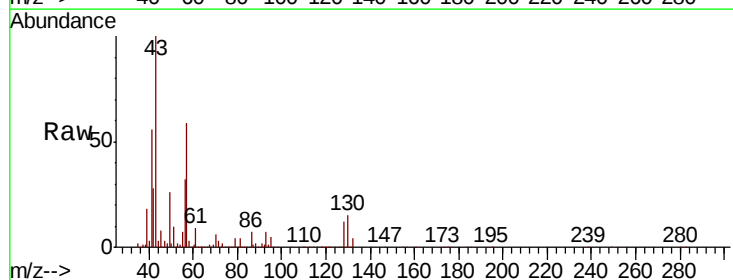
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.3	12.5
61	9.9	7.3	10.9
70	6.9	5.4	8.0

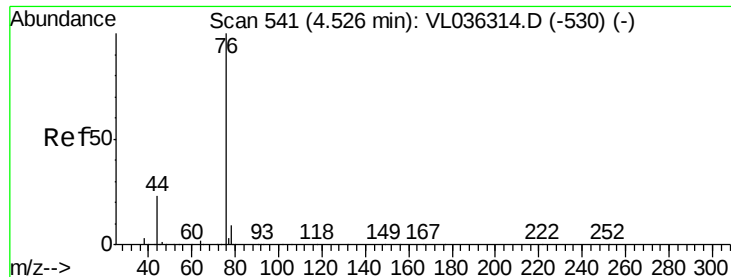


#26
Hexane
Concen: 9.594 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.02 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

Tgt Ion: 57 Resp: 1585535

Ion	Ratio	Lower	Upper
57	100		
41	100.9	81.7	122.5
43	246.6	199.1	298.7
56	54.9	44.0	66.0





#27

Carbon Disulfide

Concen: 11.261 ppbv

RT: 4.55 min Scan# 548

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

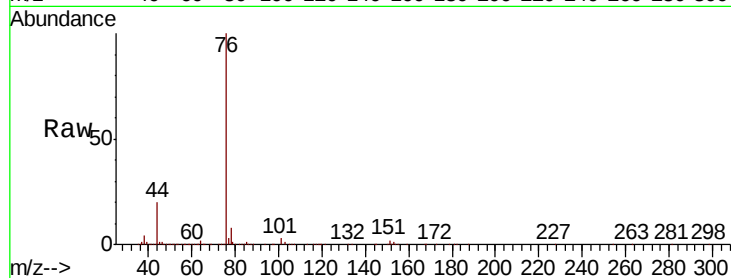
Tot Ion: 76 Resp: 1710352

Ion	Ratio	Lower	Upper
76	100		
44	21.6	18.4	27.6
78	9.5	8.0	12.0

76 100

44 21.6 18.4 27.6

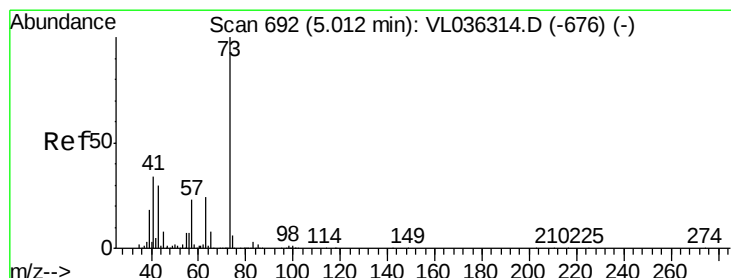
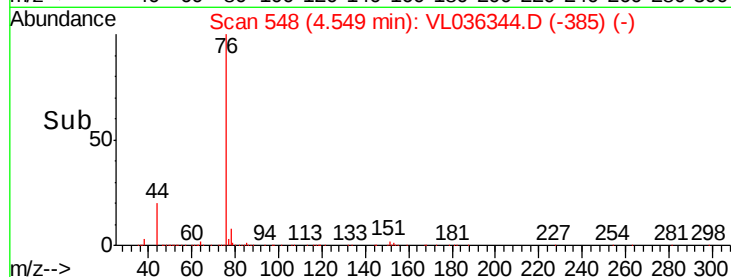
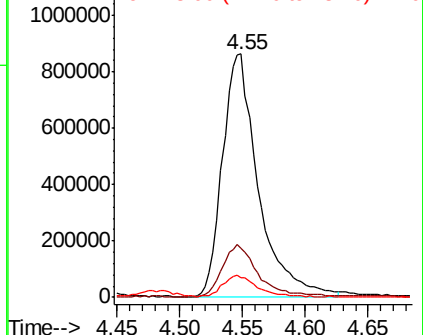
78 9.5 8.0 12.0



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: 10.314 ppbv

RT: 5.03 min Scan# 698

Delta R.T. 0.02 min

Lab File: VL036344.D

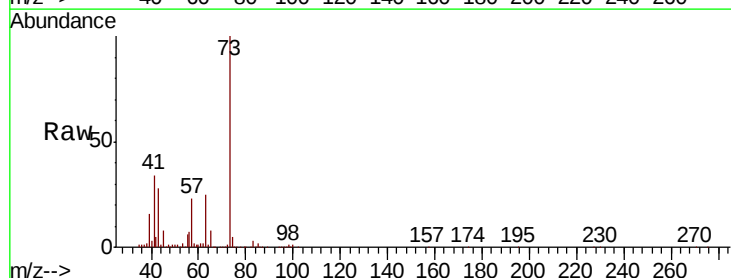
Acq: 24 Feb 2021 9:42

Tgt Ion: 73 Resp: 2226759

Ion	Ratio	Lower	Upper
73	100		
57	23.9	19.2	28.8

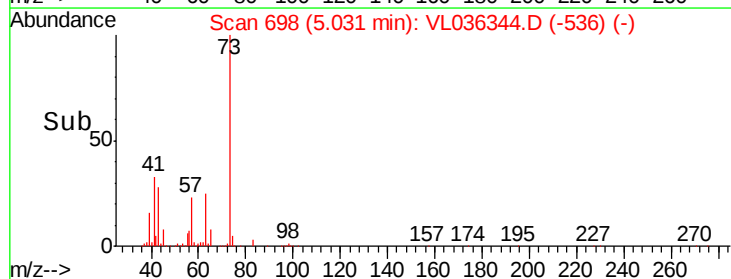
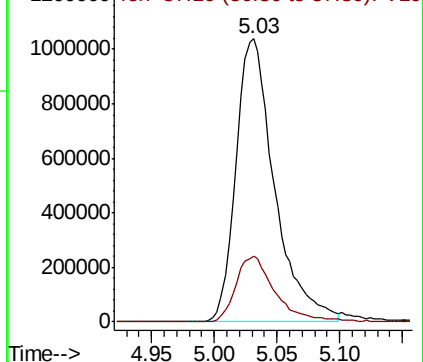
73 100

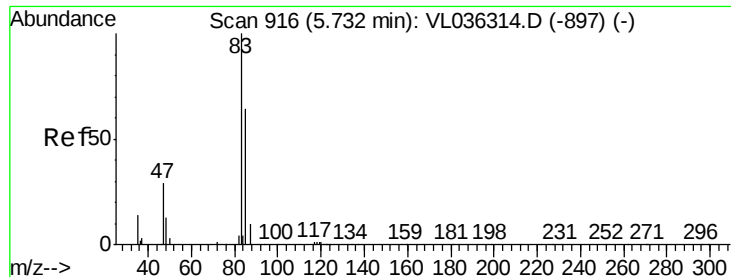
57 23.9 19.2 28.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.550 ppbv

RT: 5.75 min Scan# 922

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

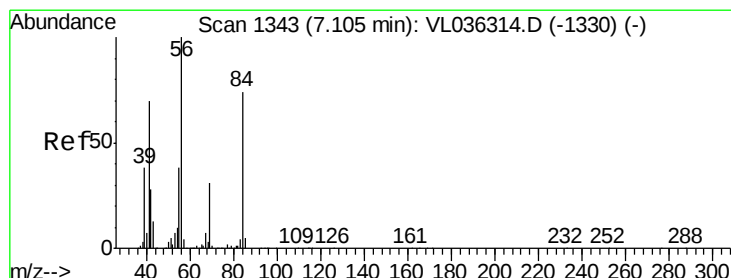
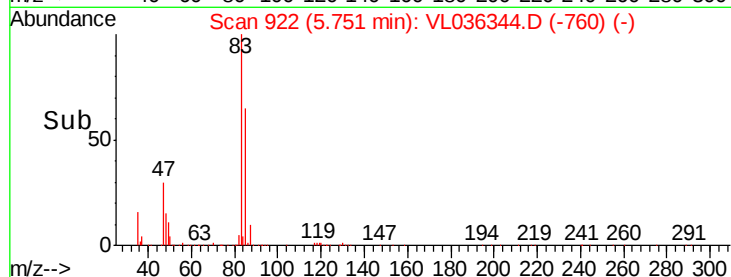
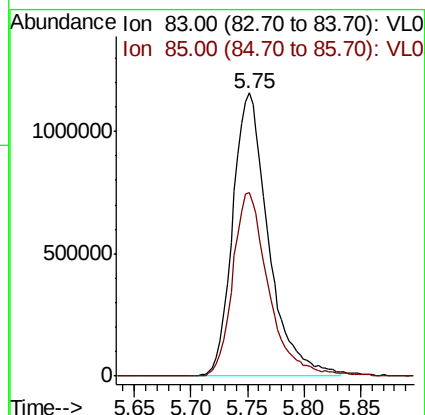
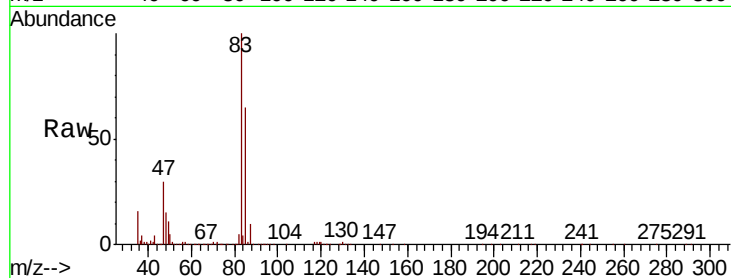
VSTDCCC010

Tot Ion: 83 Resp: 2542562

Ion Ratio Lower Upper

83 100

85 64.6 51.4 77.2



#30

Cyclohexane

Concen: 9.718 ppbv

RT: 7.13 min Scan# 1351

Delta R.T. 0.03 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

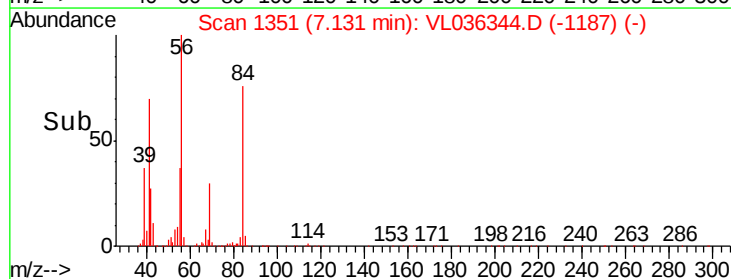
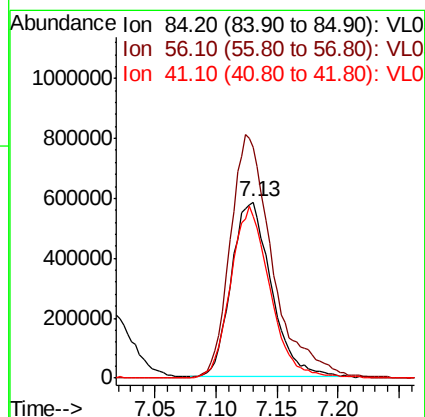
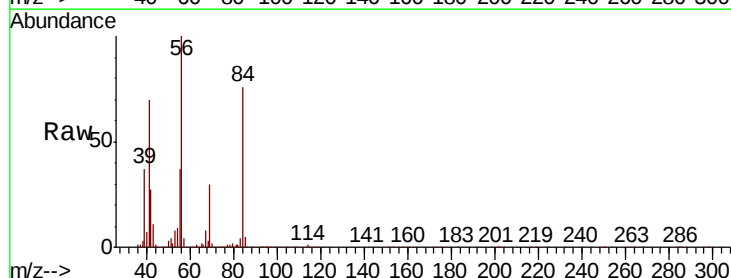
Tgt Ion: 84 Resp: 1335715

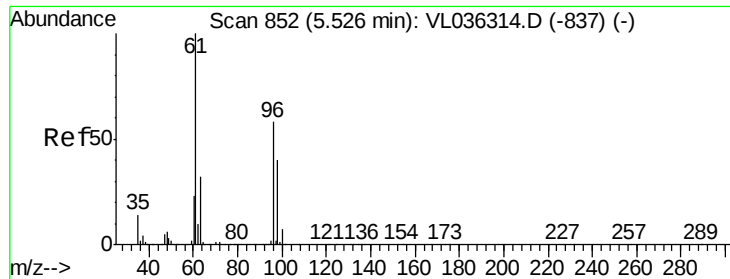
Ion Ratio Lower Upper

84 100

56 147.7 120.2 180.4

41 96.7 79.7 119.5





#31

cis-1,2-Dichloroethene

Concen: 9.797 ppbv

RT: 5.55 min Scan# 858

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Instrument :

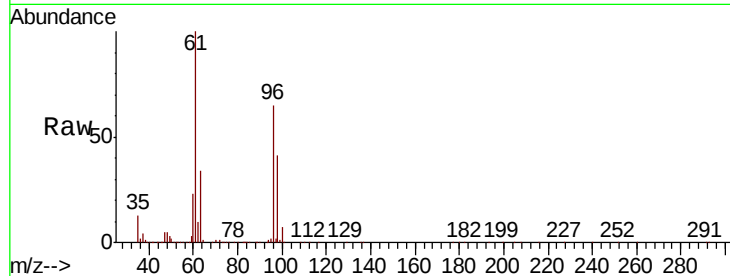
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 61 Resp: 1601977

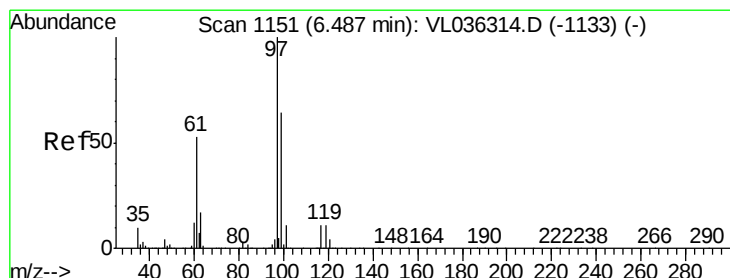
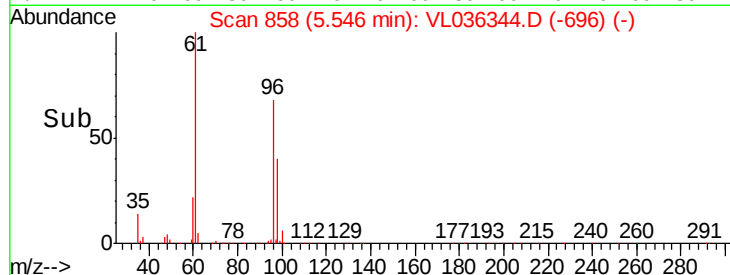
Ion	Ratio	Lower	Upper
61	100		
96	65.1	46.0	69.0
98	41.2	31.9	47.9



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: 10.022 ppbv

RT: 6.51 min Scan# 1158

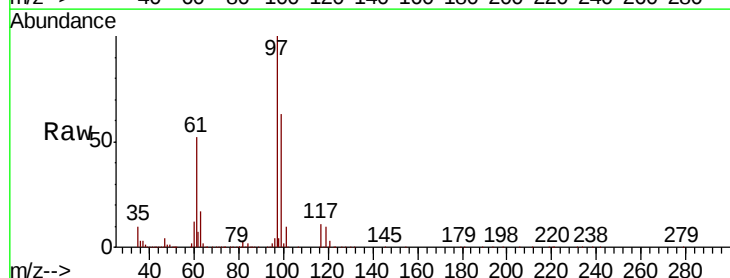
Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Tgt Ion: 97 Resp: 2494550

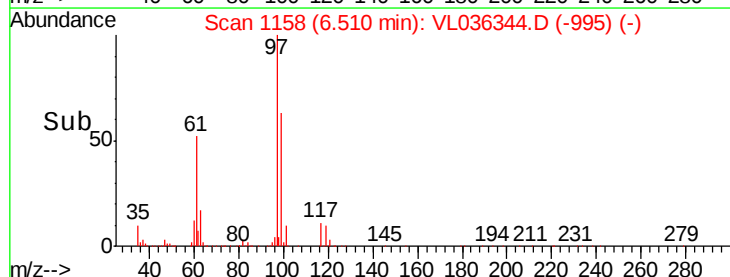
Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.2	78.4
61	52.8	43.3	64.9

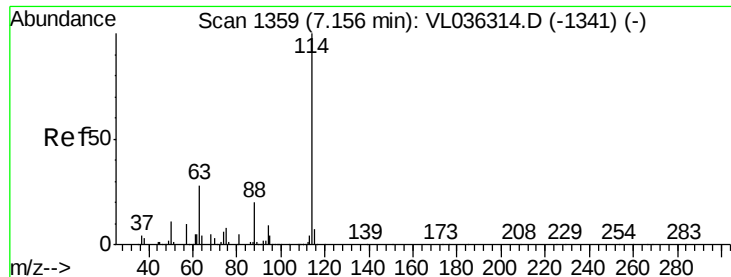


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

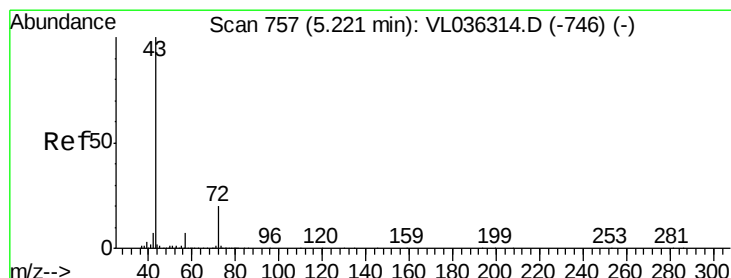
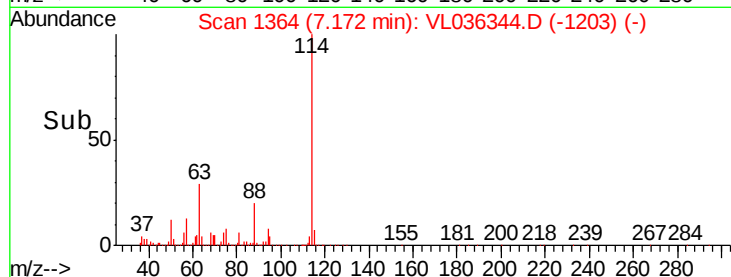
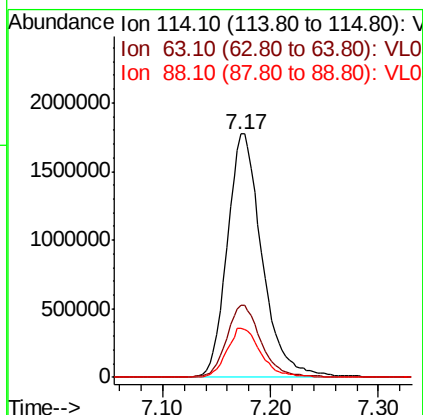
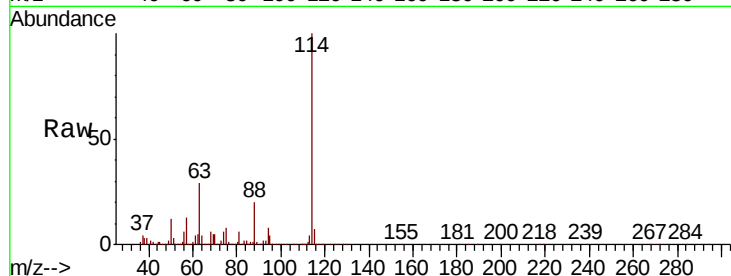




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. 0.02 min
 Lab File: VL036344.D
 Acq: 24 Feb 2021 9:42

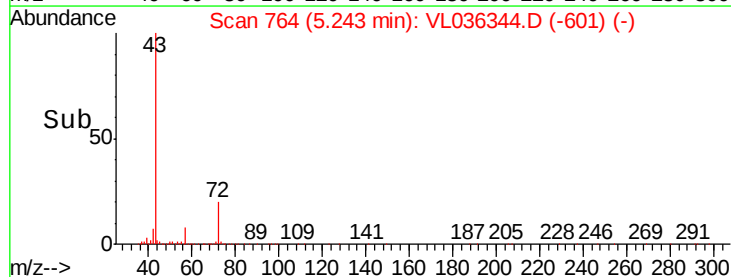
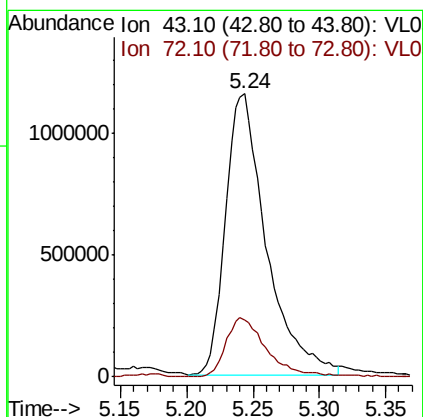
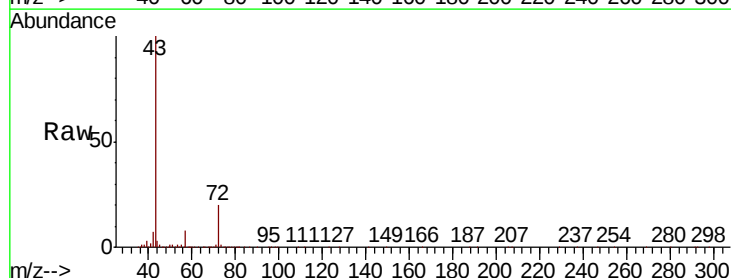
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

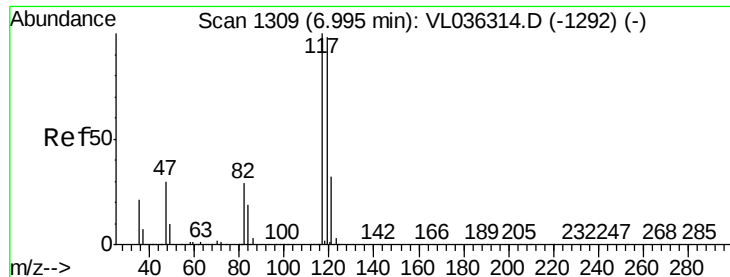
Tot Ion:114 Resp: 3978779
 Ion Ratio Lower Upper
 114 100
 63 29.9 24.1 36.1
 88 19.9 16.0 24.0



#34
 2-Butanone
 Concen: 9.321 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. 0.02 min
 Lab File: VL036344.D
 Acq: 24 Feb 2021 9:42

Tgt Ion: 43 Resp: 2463972
 Ion Ratio Lower Upper
 43 100
 72 21.5 16.7 25.1





#35

Carbon Tetrachloride

Concen: 9.455 ppbv

RT: 7.01 min Scan# 1315

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

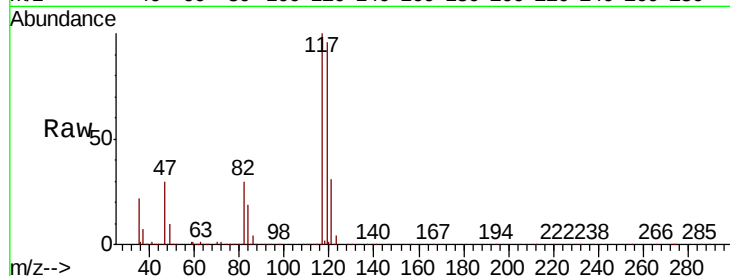
Tot Ion:117 Resp: 2521326

Ion Ratio Lower Upper

117 100

119 95.9 78.1 117.1

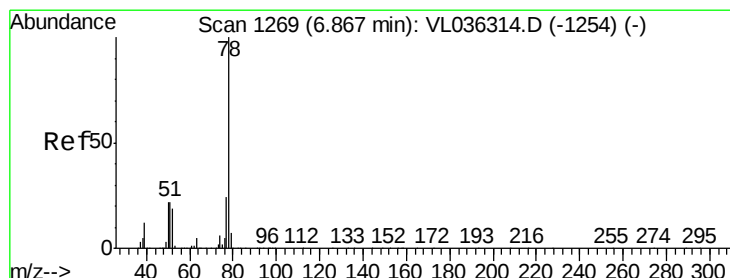
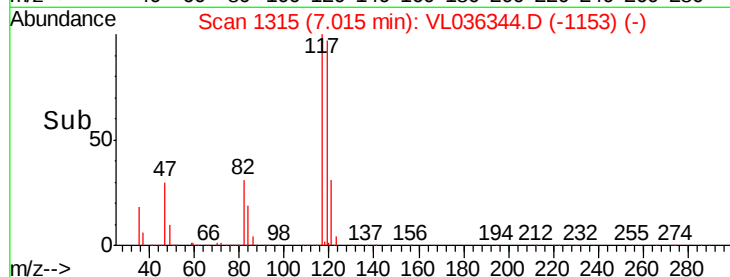
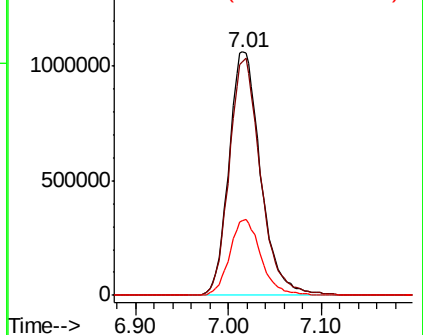
121 30.8 25.8 38.8



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: 9.824 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

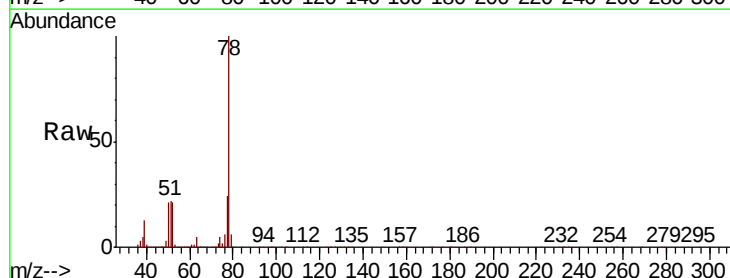
Tgt Ion: 78 Resp: 3320286

Ion Ratio Lower Upper

78 100

77 23.5 18.9 28.3

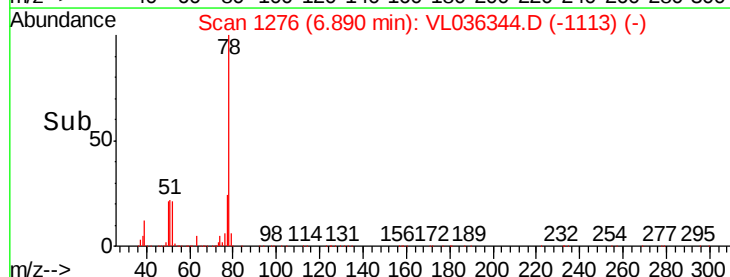
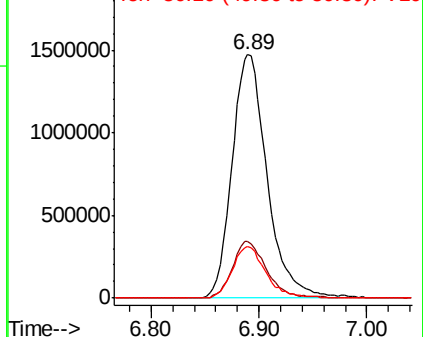
50 21.1 17.3 25.9

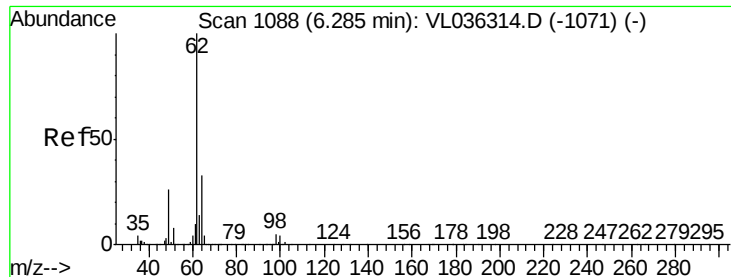


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

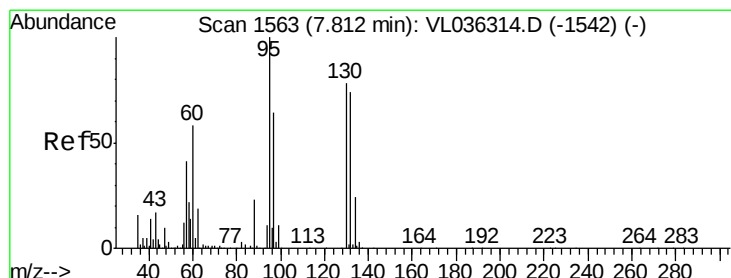
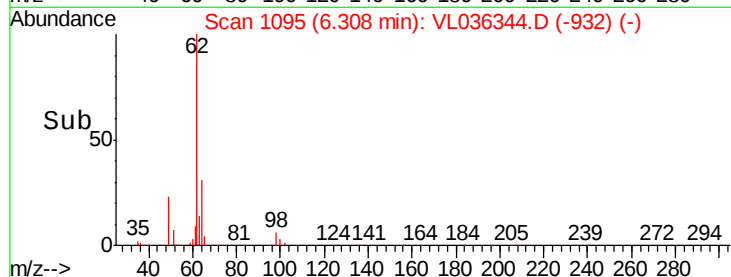
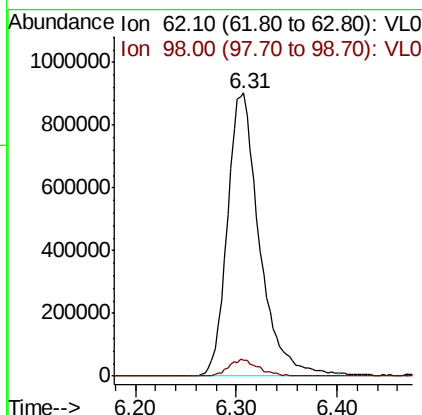
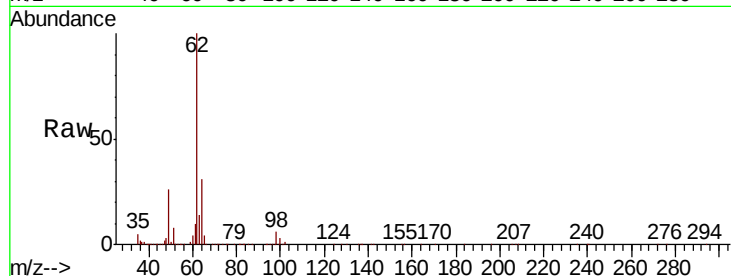




#37
 1,2-Dichloroethane
 Concen: 9.599 ppbv
 RT: 6.31 min Scan# 1095
 Delta R.T. 0.02 min
 Lab File: VL036344.D
 Acq: 24 Feb 2021 9:42

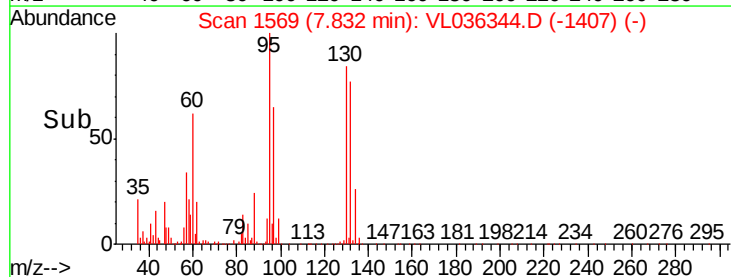
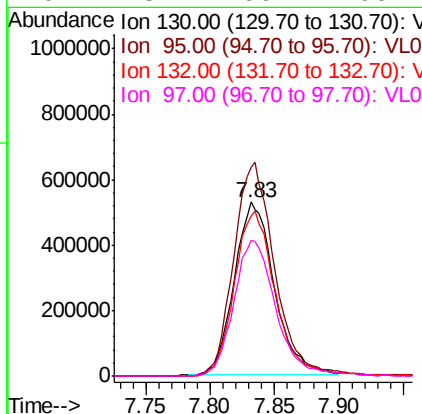
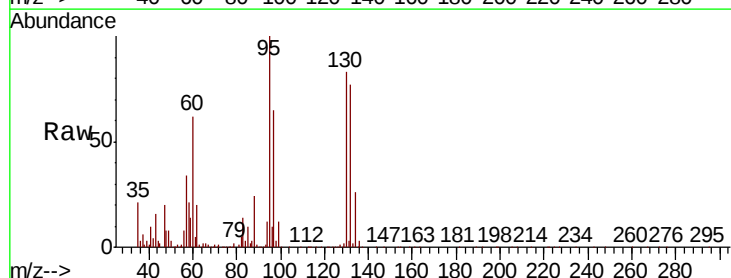
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

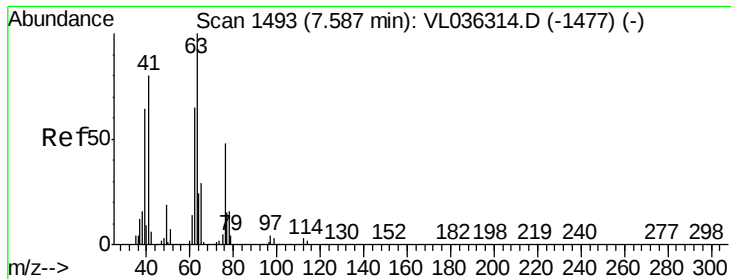
Tot Ion: 62 Resp: 2005817
 Ion Ratio Lower Upper
 62 100
 98 5.6 4.5 6.7



#38
 Trichloroethene
 Concen: 9.421 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.02 min
 Lab File: VL036344.D
 Acq: 24 Feb 2021 9:42

Tgt Ion: 130 Resp: 1140656
 Ion Ratio Lower Upper
 130 100
 95 120.2 102.8 154.2
 132 92.5 75.7 113.5
 97 78.2 66.2 99.2



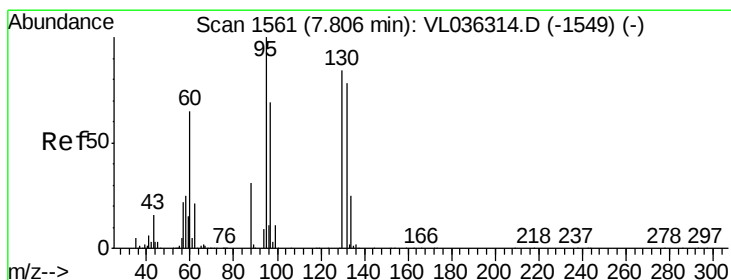
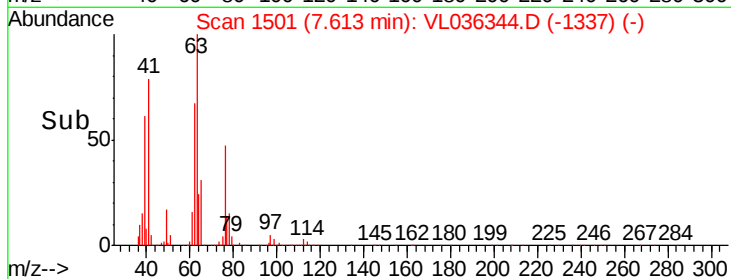
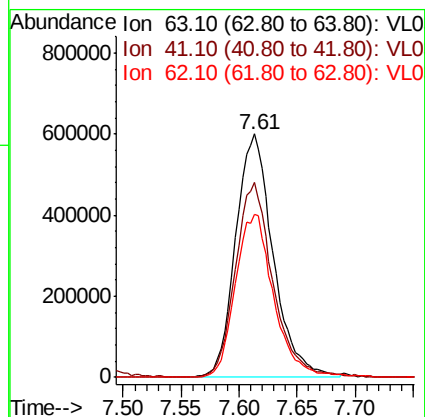
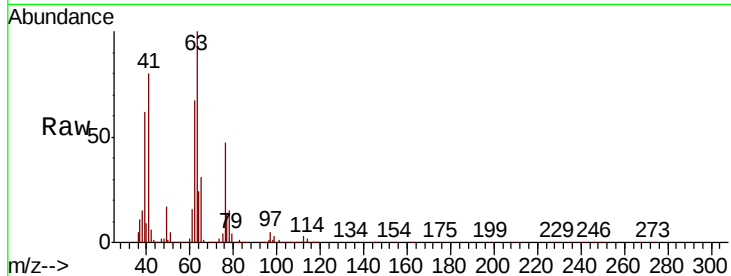


#39
 1,2-Dichloropropane
 Concen: 9.798 ppbv
 RT: 7.61 min Scan# 1501
 Delta R.T. 0.03 min
 Lab File: VL036344.D
 Acq: 24 Feb 2021 9:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 63 Resp: 1345255

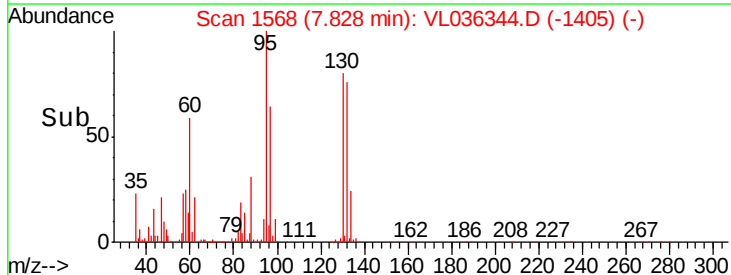
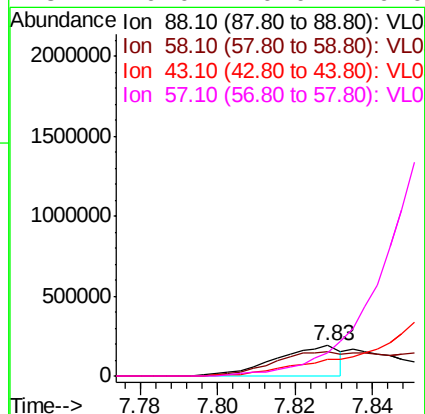
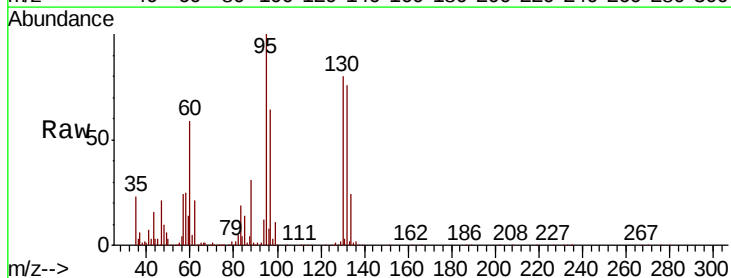
Ion	Ratio	Lower	Upper
63	100		
41	79.8	63.8	95.6
62	66.7	52.3	78.5

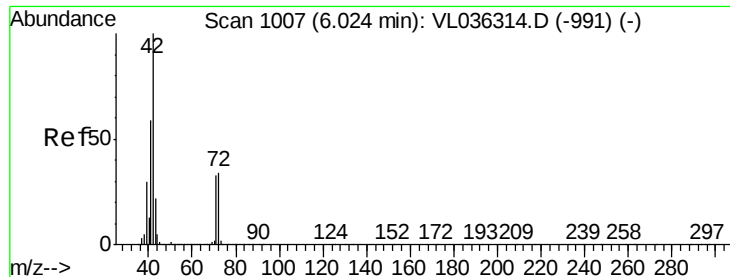


#40
 1,4-Dioxane
 Concen: 4.542 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. 0.02 min
 Lab File: VL036344.D
 Acq: 24 Feb 2021 9:42

Tgt Ion: 88 Resp: 216076

Ion	Ratio	Lower	Upper
88	100		
58	135.4	45.0	67.4#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 9.957 ppbv

RT: 6.04 min Scan# 1013

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

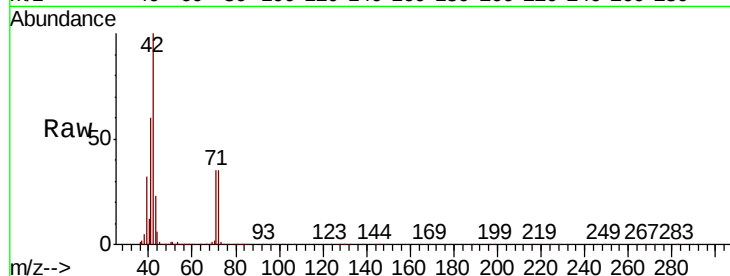
Tot Ion: 42 Resp: 1468865

Ion Ratio Lower Upper

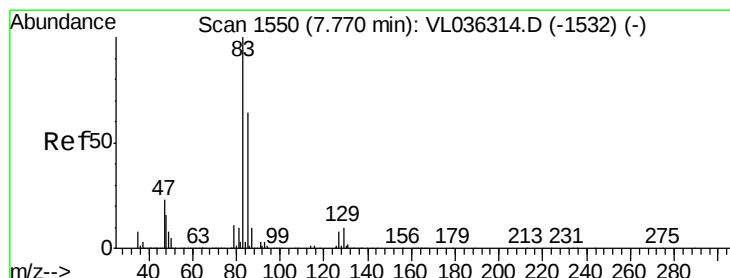
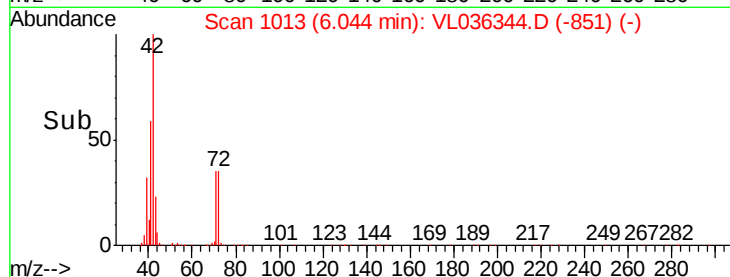
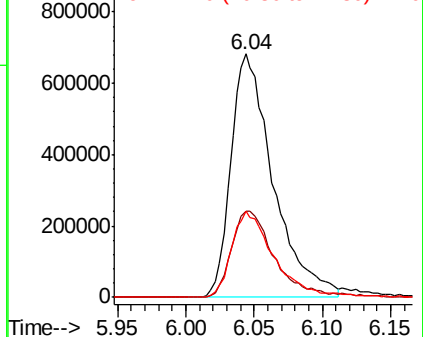
42 100

72 36.7 29.3 43.9

71 35.6 27.8 41.8



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: 9.742 ppbv

RT: 7.79 min Scan# 1556

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

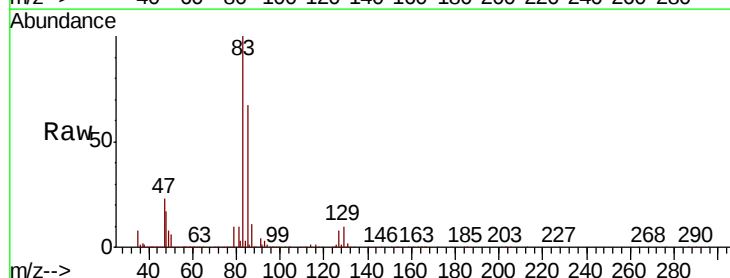
Tgt Ion: 83 Resp: 2726379

Ion Ratio Lower Upper

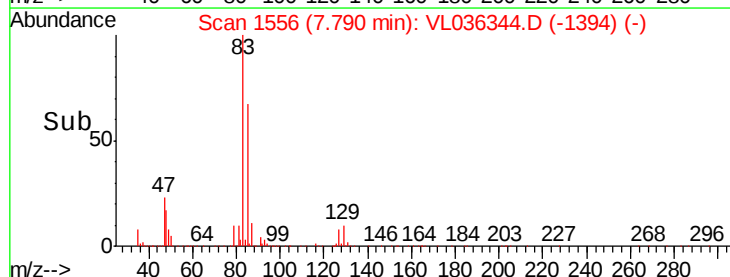
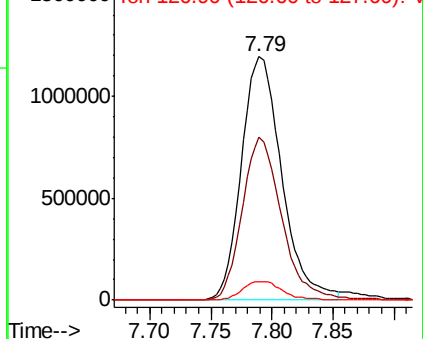
83 100

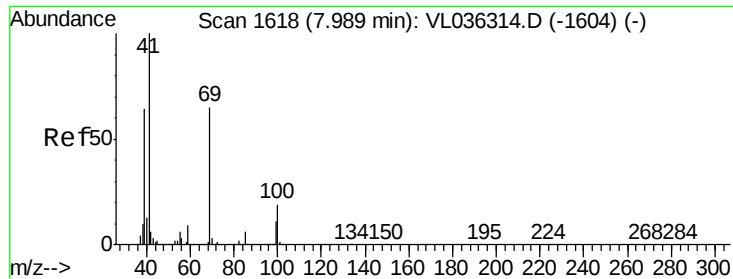
85 67.0 51.1 76.7

127 7.6 6.3 9.5



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 10.488 ppbv

RT: 8.01 min Scan# 1626

Delta R.T. 0.03 min

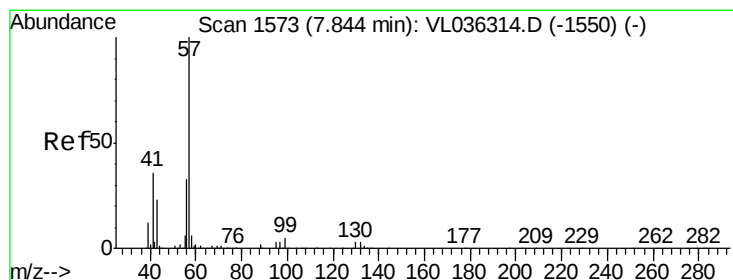
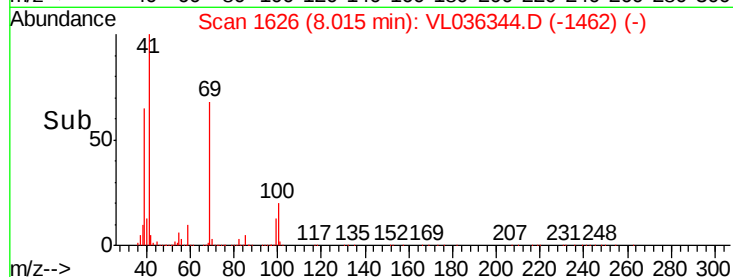
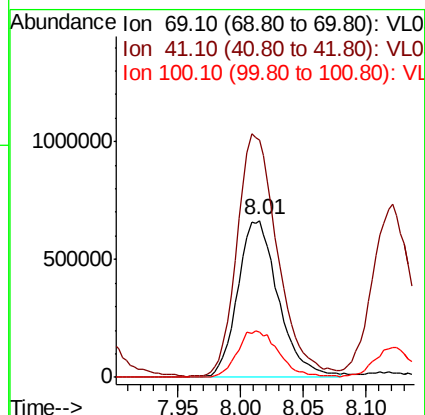
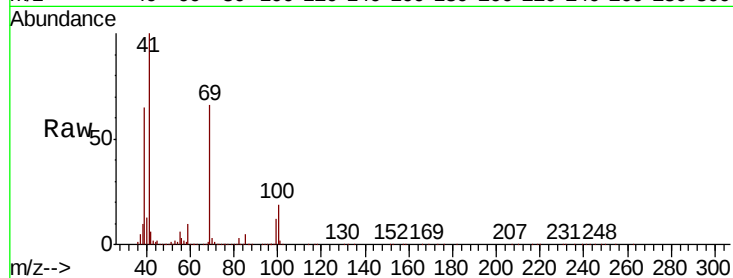
Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 69 Resp: 1494908

Ion	Ratio	Lower	Upper
69	100		
41	156.1	126.5	189.7
100	30.1	23.1	34.7



#44

2,2,4-Trimethylpentane

Concen: 9.185 ppbv

RT: 7.87 min Scan# 1580

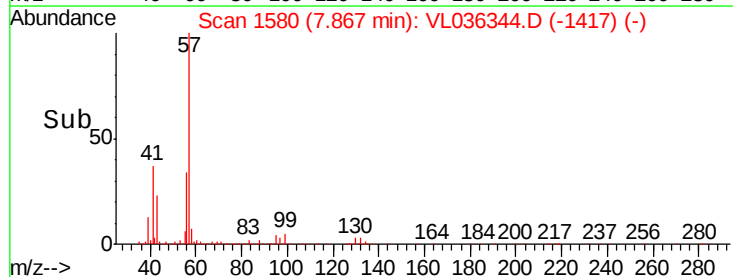
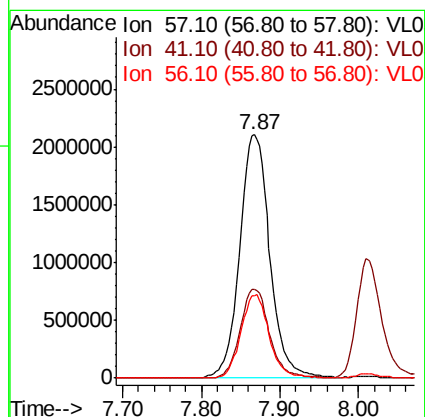
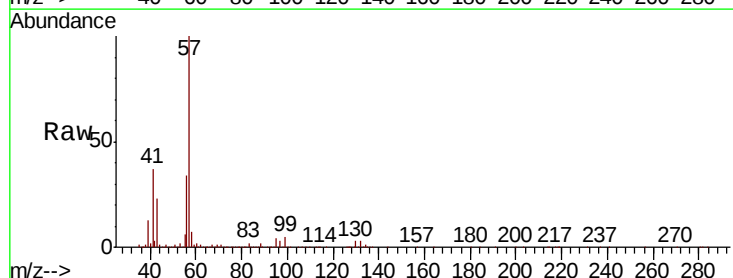
Delta R.T. 0.02 min

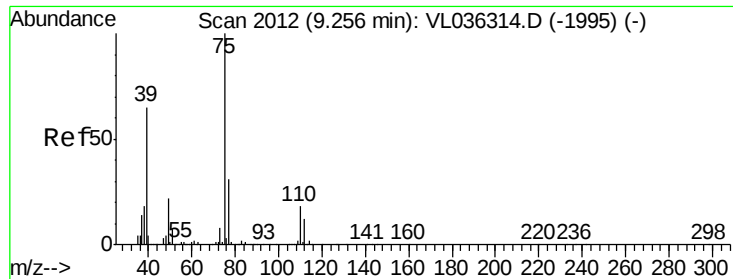
Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Tgt Ion: 57 Resp: 5644617

Ion	Ratio	Lower	Upper
57	100		
41	35.4	28.8	43.2
56	32.4	25.8	38.6

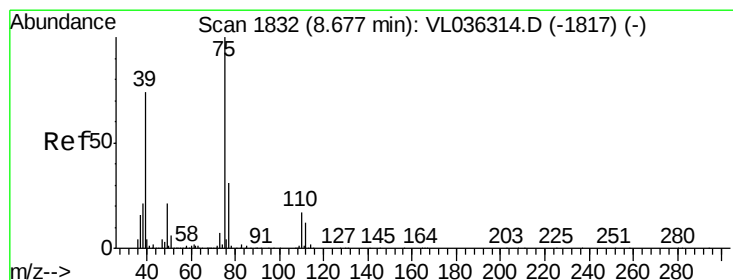
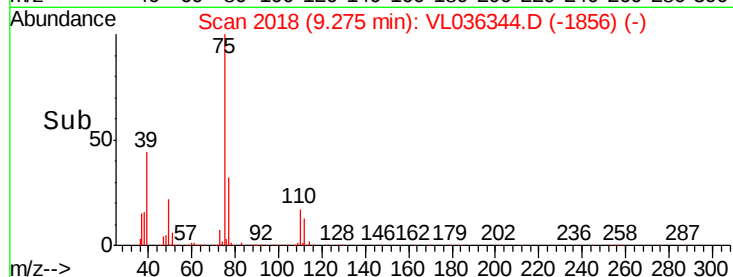
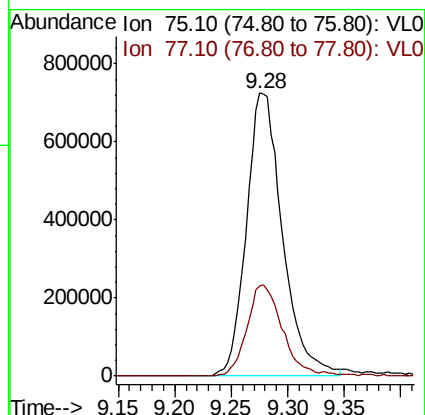
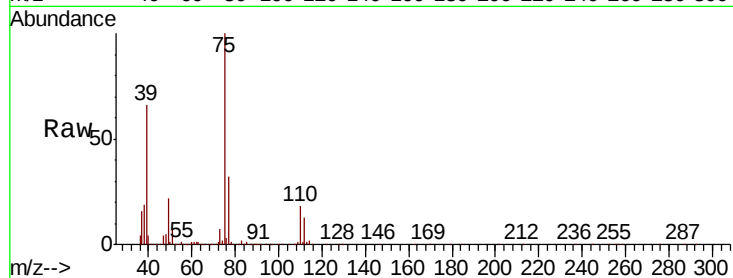




#45
t-1,3-Dichloropropene
Concen: 11.735 ppbv
RT: 9.28 min Scan# 2018
Delta R.T. 0.02 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

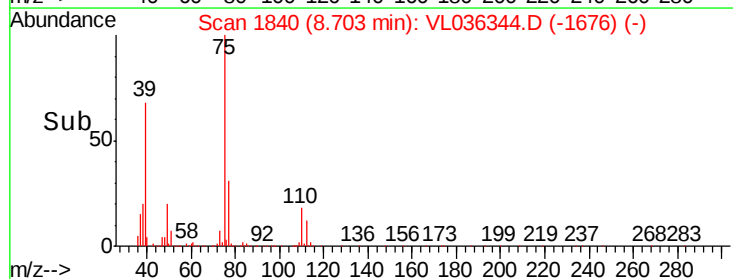
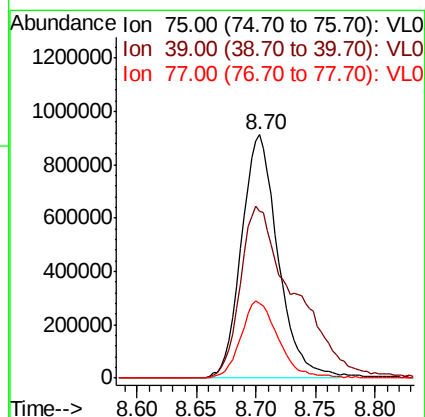
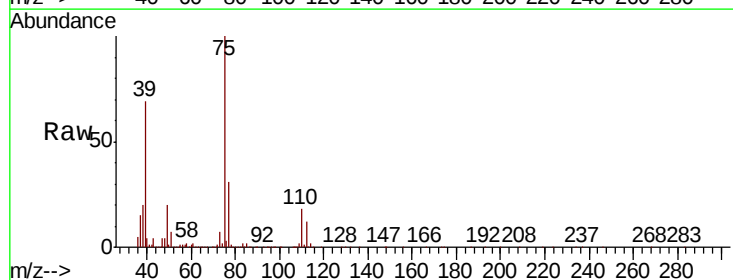
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

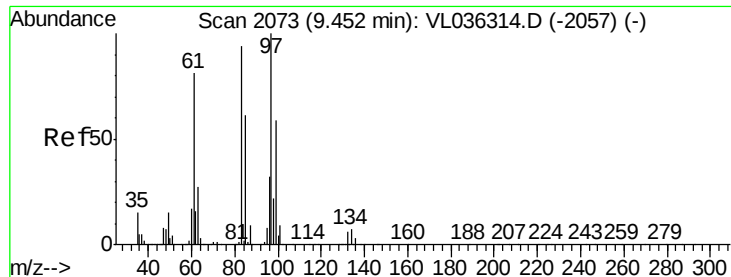
Tot Ion: 75 Resp: 1613654
Ion Ratio Lower Upper
75 100
77 31.9 24.6 37.0



#46
cis-1,3-Dichloropropene
Concen: 11.125 ppbv
RT: 8.70 min Scan# 1840
Delta R.T. 0.03 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

Tgt Ion: 75 Resp: 1943166
Ion Ratio Lower Upper
75 100
39 68.5 59.2 88.8
77 30.7 25.0 37.6



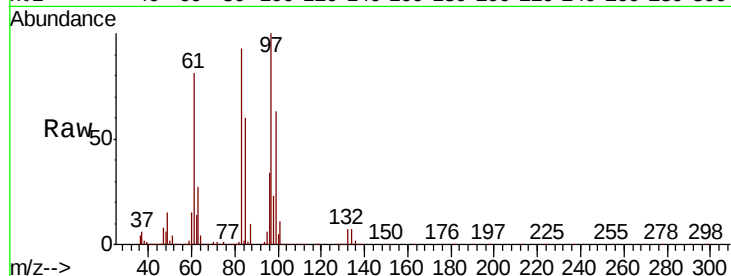


#47
 1,1,2-Trichloroethane
 Concen: 9.416 ppbv
 RT: 9.48 min Scan# 2081
 Delta R.T. 0.03 min
 Lab File: VL036344.D
 Acq: 24 Feb 2021 9:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 97 Resp: 1323087

Ion	Ratio	Lower	Upper
97	100		
83	93.2	75.4	113.0
85	59.9	48.9	73.3
99	63.0	46.9	70.3



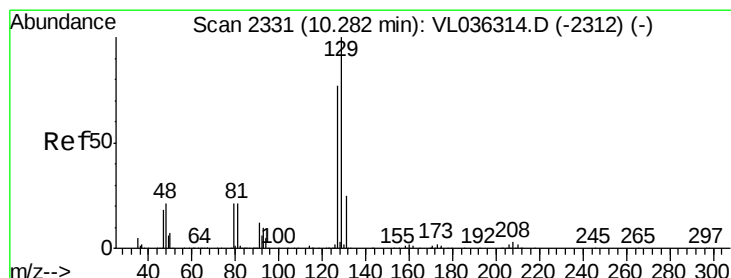
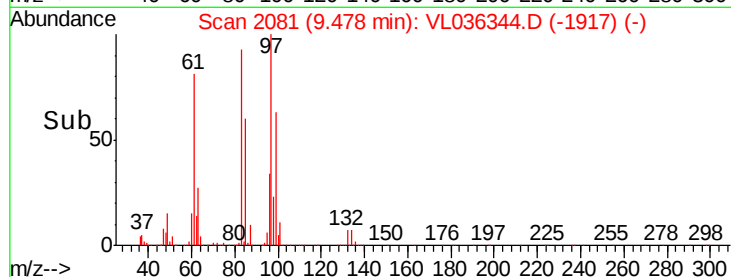
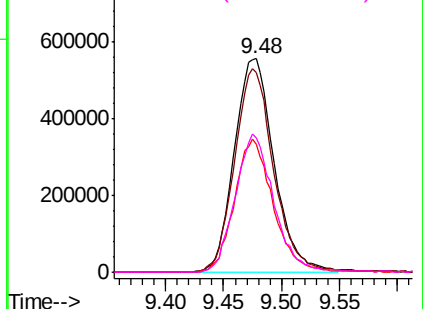
Abundance

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

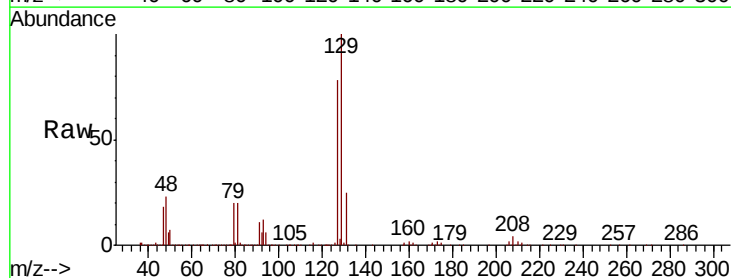
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 10.312 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. 0.02 min
 Lab File: VL036344.D
 Acq: 24 Feb 2021 9:42

Tgt Ion:129 Resp: 2162107

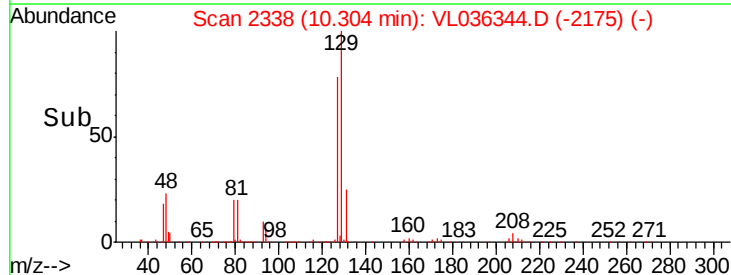
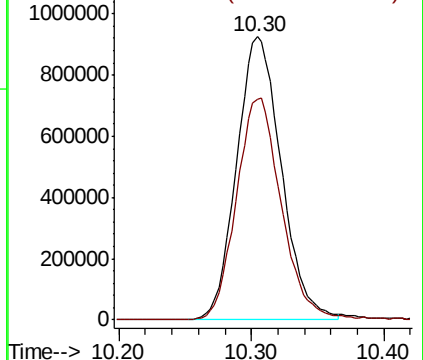
Ion	Ratio	Lower	Upper
129	100		
127	79.6	39.1	117.2

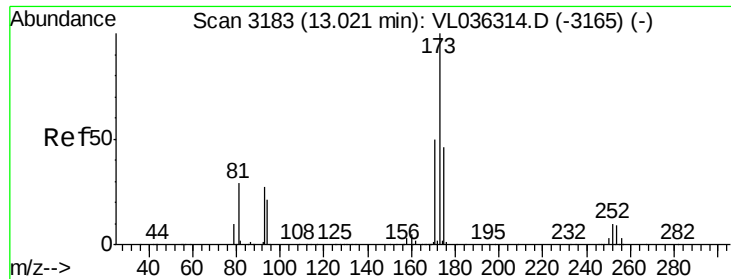


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.620 ppbv

RT: 13.04 min Scan# 3190

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

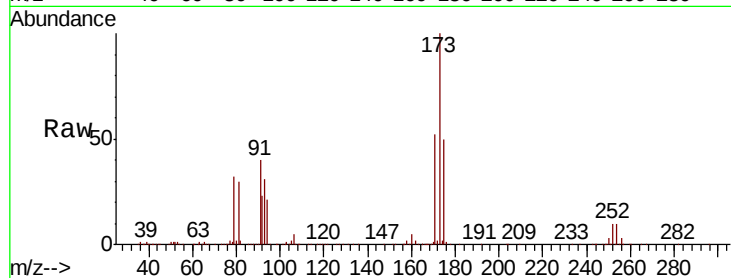
Tot Ion:173 Resp: 1800121

Ion Ratio Lower Upper

173 100

175 51.4 40.2 60.2

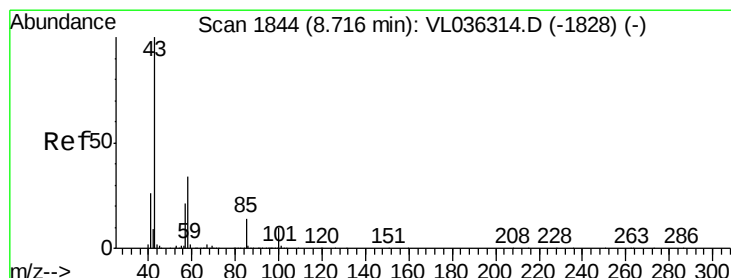
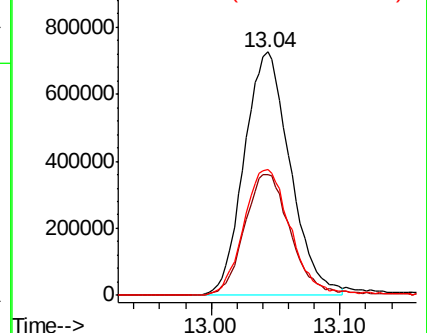
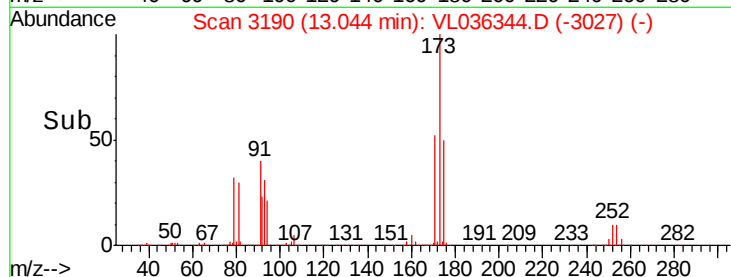
171 53.4 43.4 65.2



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: 9.845 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. 0.02 min

Lab File: VL036344.D

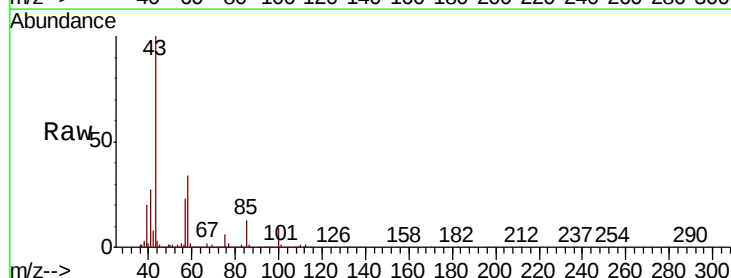
Acq: 24 Feb 2021 9:42

Tgt Ion: 43 Resp: 3863756

Ion Ratio Lower Upper

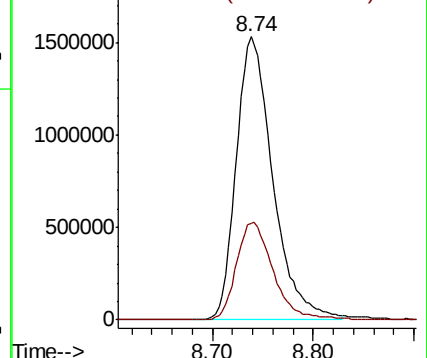
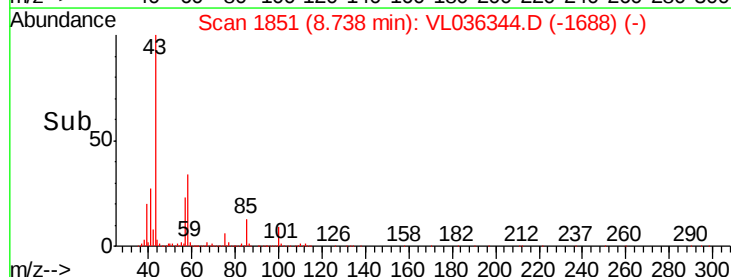
43 100

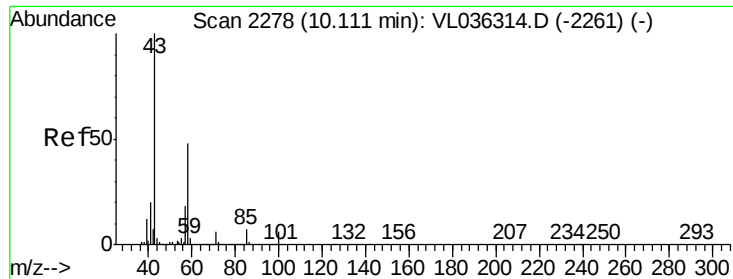
58 34.7 27.8 41.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

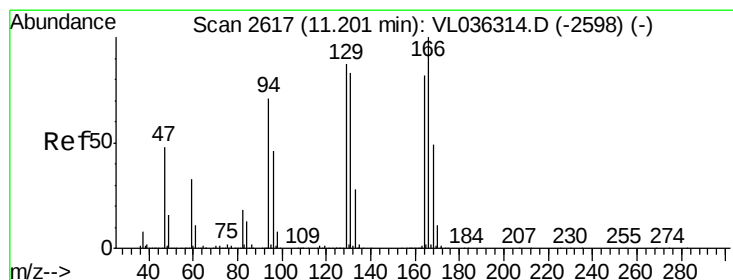
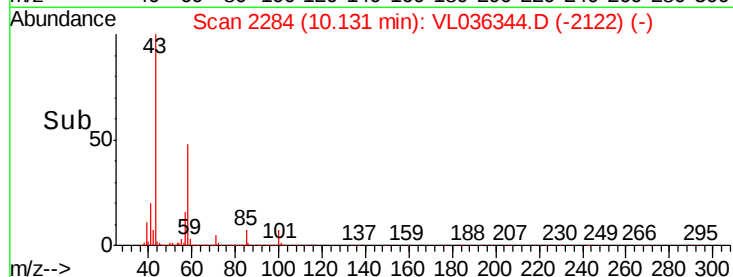
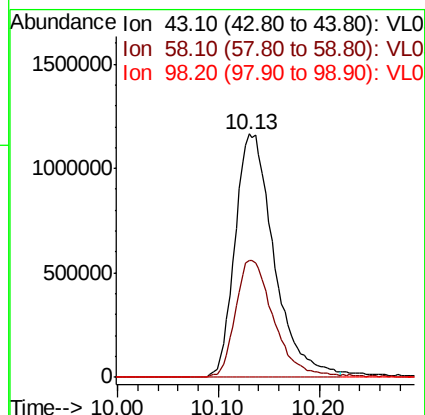
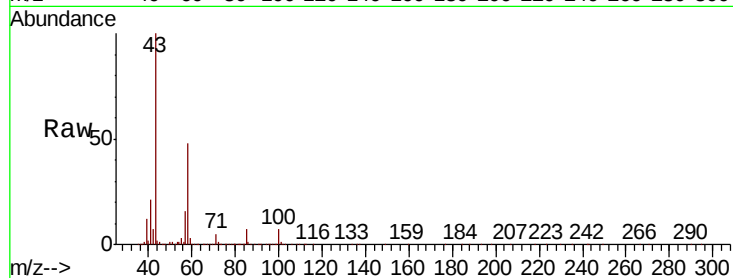




#51
2-Hexanone
Concen: 10.515 ppbv
RT: 10.13 min Scan# 2284
Delta R.T. 0.02 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

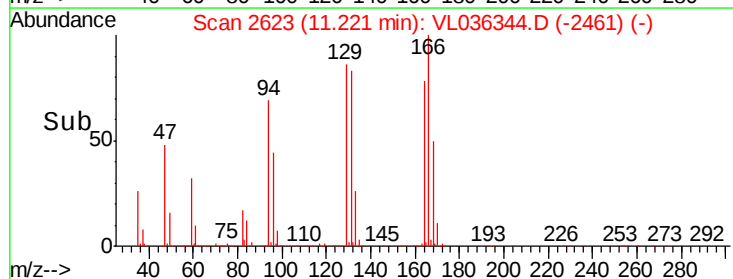
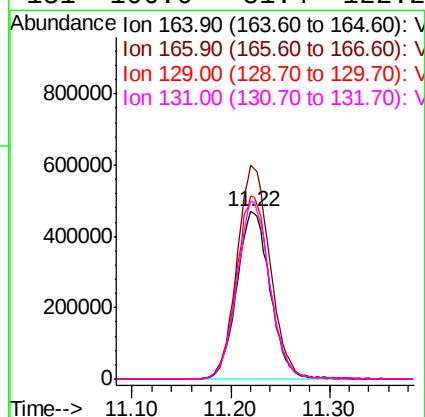
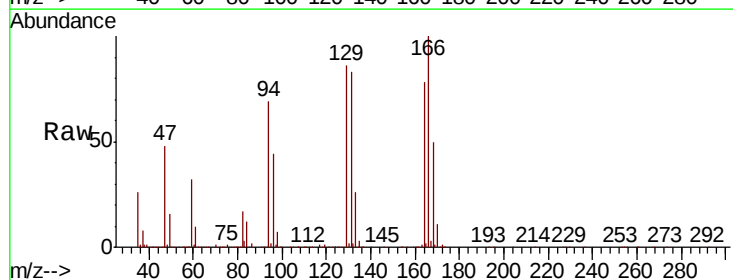
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

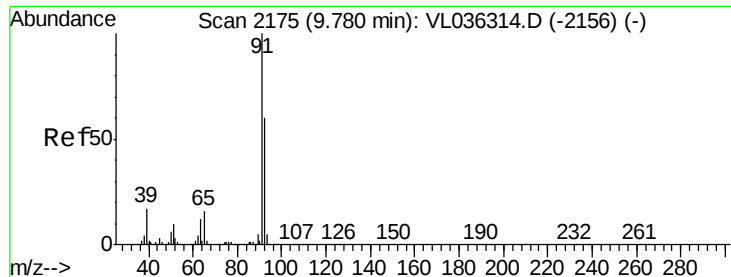
Tot Ion: 43 Resp: 3135477
Ion Ratio Lower Upper
43 100
58 48.3 38.7 58.1
98 0.4 0.4 0.6#



#52
Tetrachloroethene
Concen: 8.890 ppbv
RT: 11.22 min Scan# 2623
Delta R.T. 0.02 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

Tgt Ion:164 Resp: 1099941
Ion Ratio Lower Upper
164 100
166 127.8 97.8 146.8
129 109.7 84.9 127.3
131 106.6 81.4 122.2





#53

Toluene

Concen: 10.094 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. 0.03 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

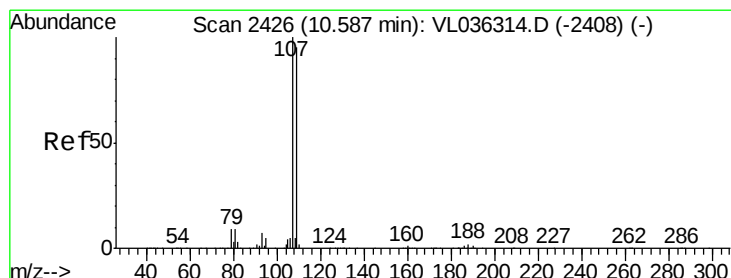
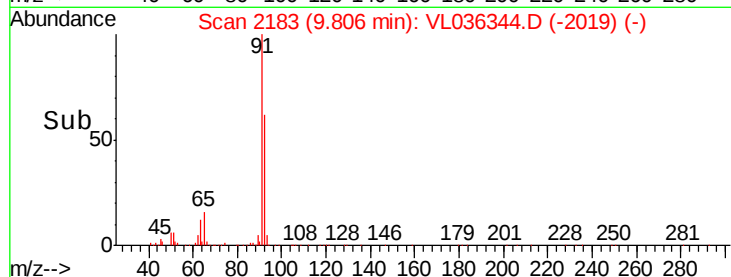
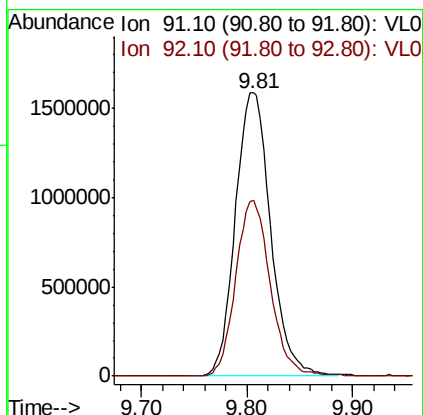
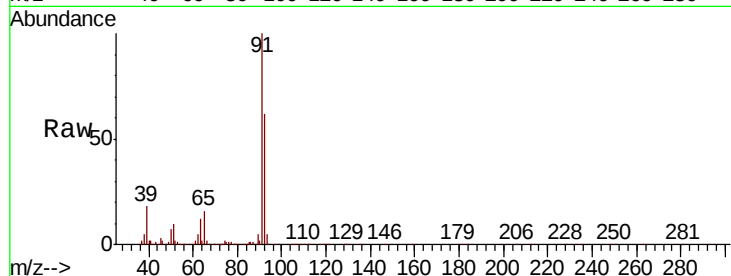
VSTDCCC010

Tot Ion: 91 Resp: 3695196

Ion Ratio Lower Upper

91 100

92 61.0 48.6 72.8



#54

1,2-Dibromoethane

Concen: 9.720 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. 0.02 min

Lab File: VL036344.D

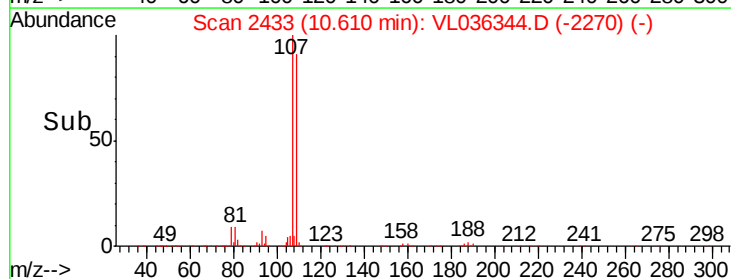
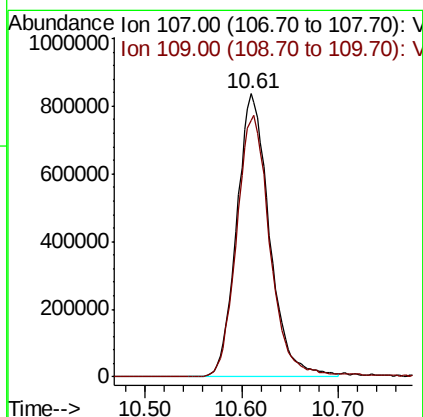
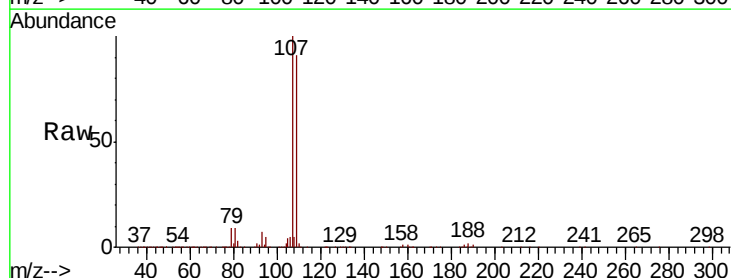
Acq: 24 Feb 2021 9:42

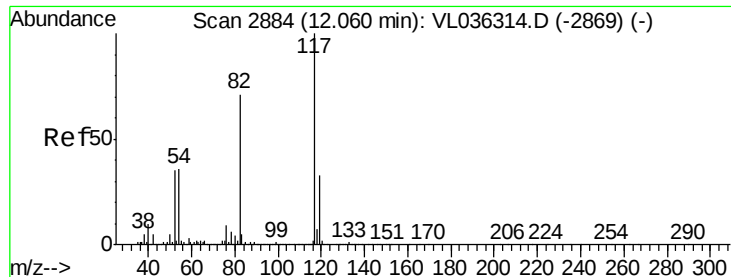
Tgt Ion: 107 Resp: 1973716

Ion Ratio Lower Upper

107 100

109 90.7 76.0 114.0

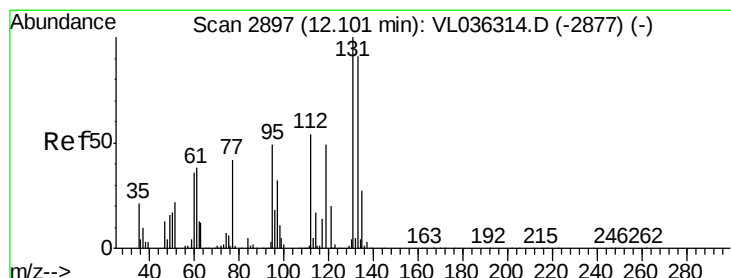
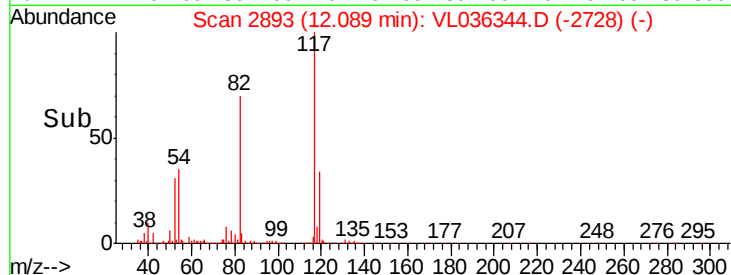
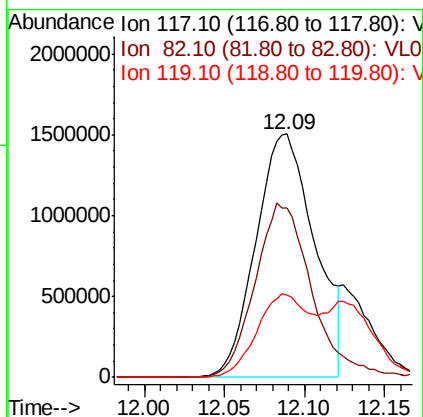
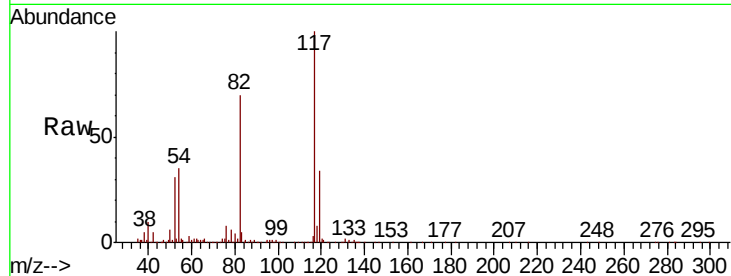




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. 0.03 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

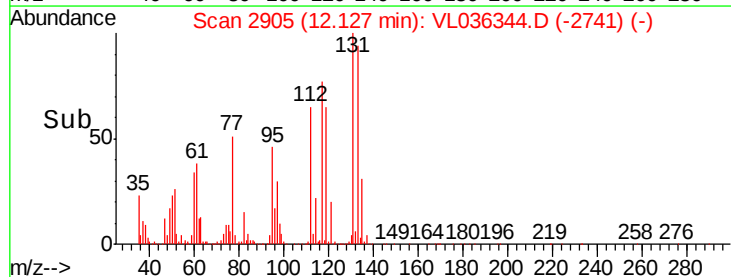
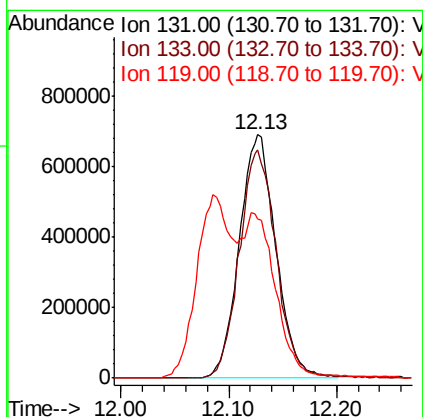
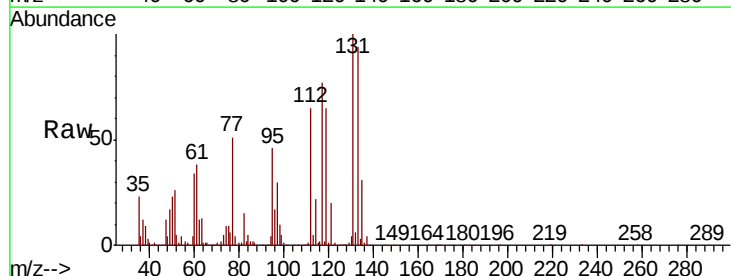
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

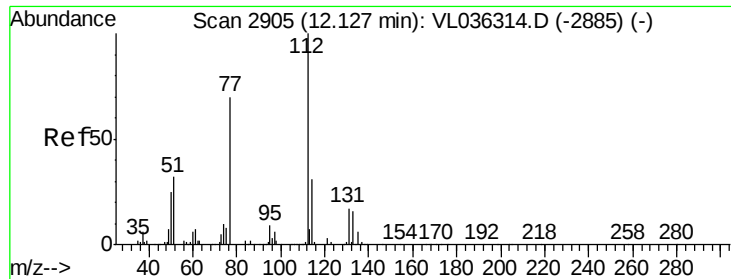
Tot Ion:117 Resp: 3836478
Ion Ratio Lower Upper
117 100
82 69.9 59.1 88.7
119 31.1 46.3 69.5#



#56
1,1,1,2-Tetrachloroethane
Concen: 9.245 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. 0.03 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

Tgt Ion:131 Resp: 1631432
Ion Ratio Lower Upper
131 100
133 94.6 76.0 114.0
119 56.8 115.1 172.7#

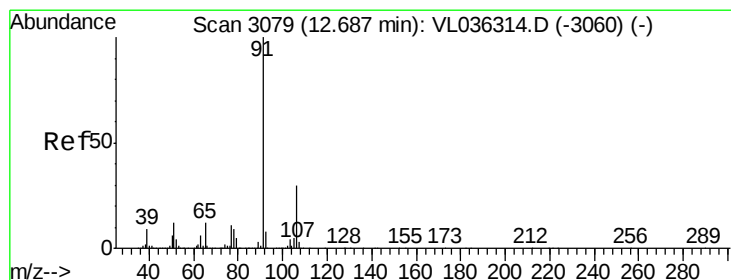
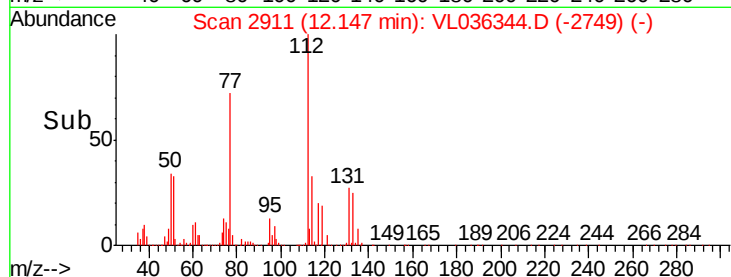
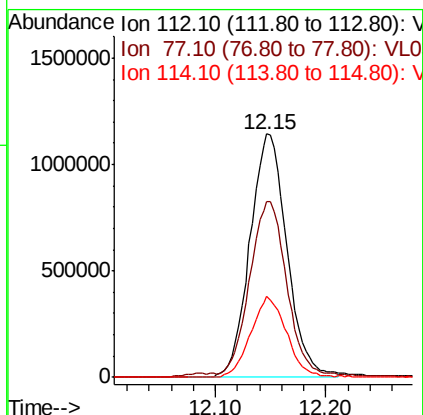
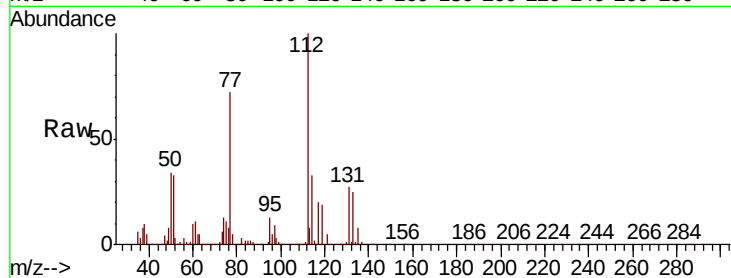




#57
Chlorobenzene
Concen: 8.973 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. 0.02 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

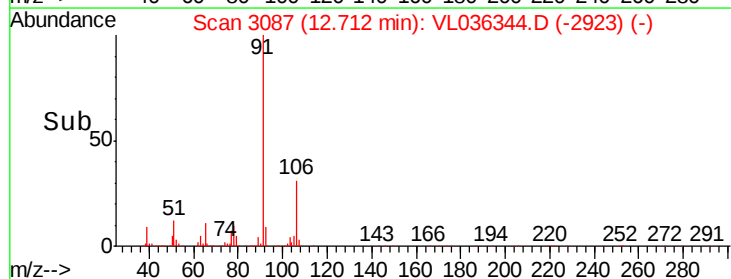
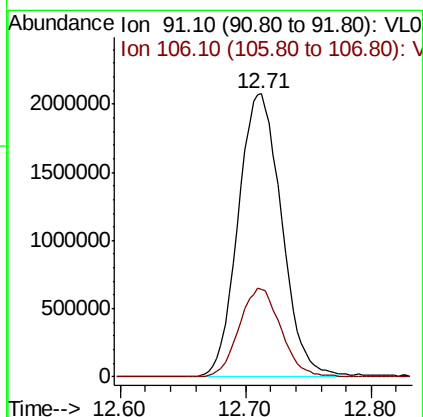
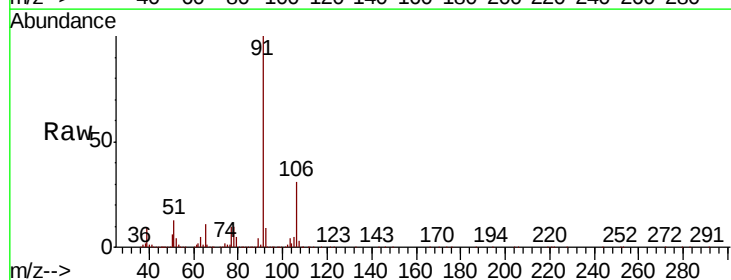
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

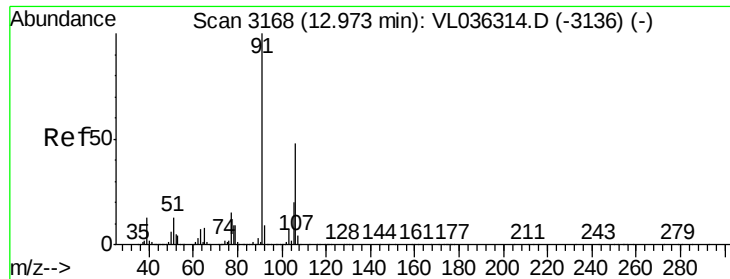
Tot Ion: 112 Resp: 2659713
Ion Ratio Lower Upper
112 100
77 71.0 56.1 84.1
114 33.1 28.3 34.5



#58
Ethyl Benzene
Concen: 9.485 ppbv
RT: 12.71 min Scan# 3087
Delta R.T. 0.03 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

Tgt Ion: 91 Resp: 4982799
Ion Ratio Lower Upper
91 100
106 31.0 23.8 35.6

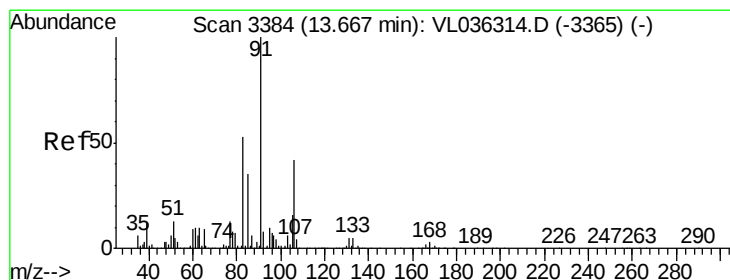
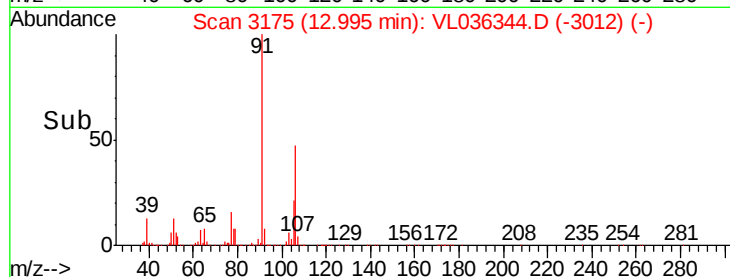
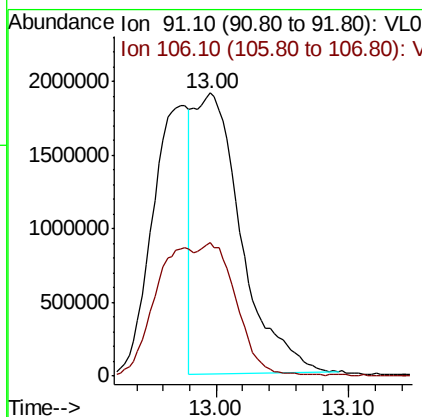
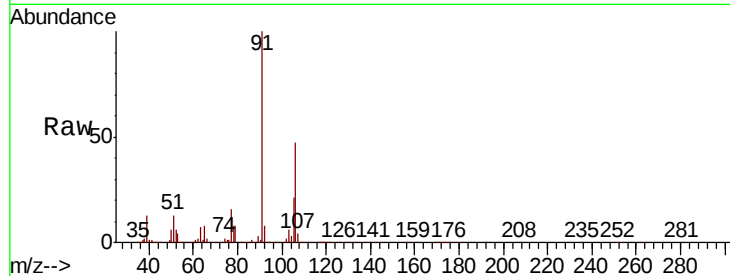




#59
m/p-Xylene
Concen: 10.241 ppbv
RT: 13.00 min Scan# 3175
Delta R.T. 0.02 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

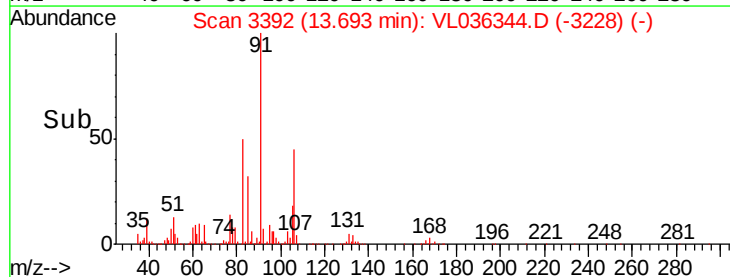
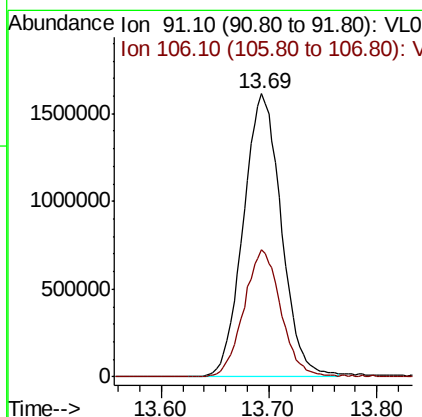
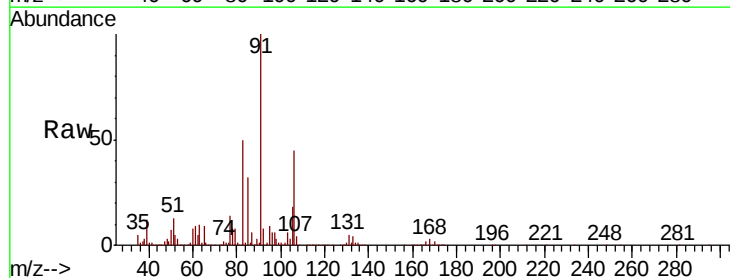
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

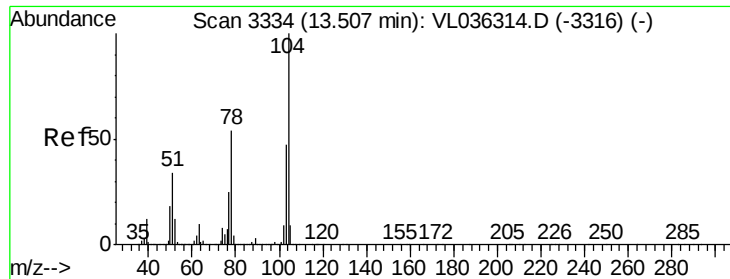
Tot Ion: 91 Resp: 4725624
Ion Ratio Lower Upper
91 100
106 77.3 34.2 51.2#



#60
o-Xylene
Concen: 8.945 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. 0.03 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

Tgt Ion: 91 Resp: 3946475
Ion Ratio Lower Upper
91 100
106 44.3 22.0 66.0

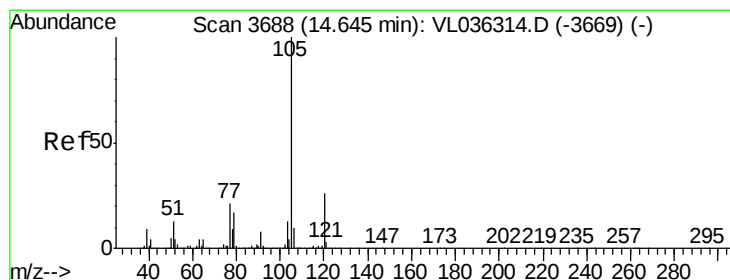
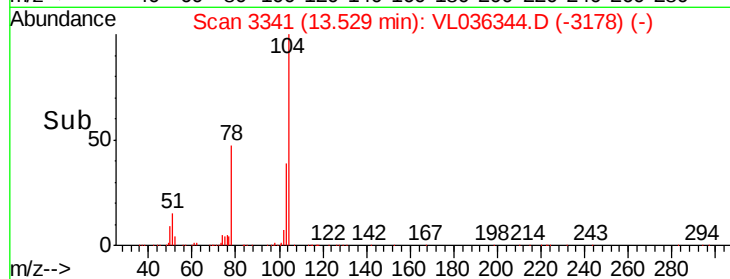
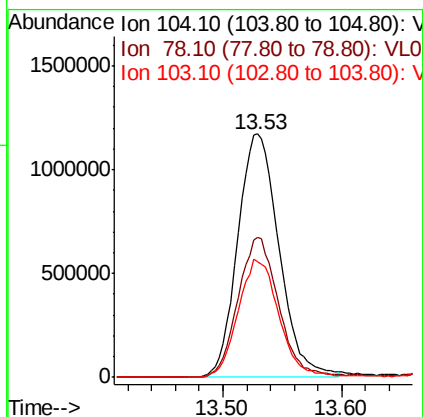
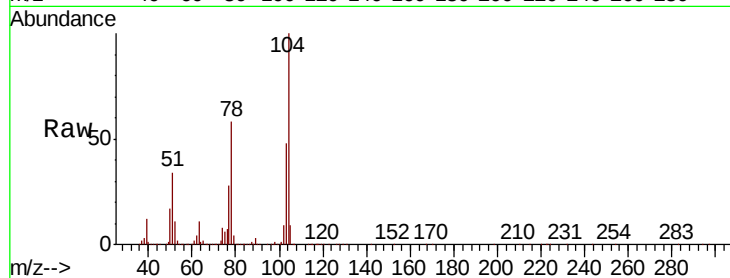




#61
Stvrene
Concen: 10.322 ppbv
RT: 13.53 min Scan# 3341
Delta R.T. 0.02 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

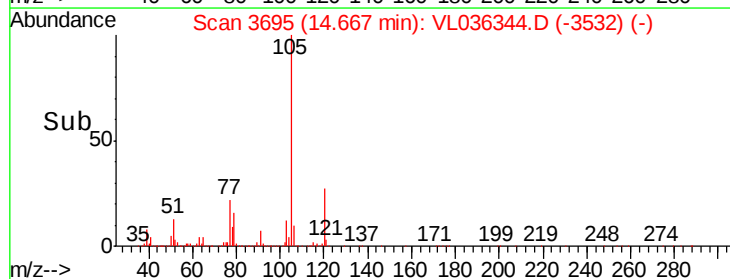
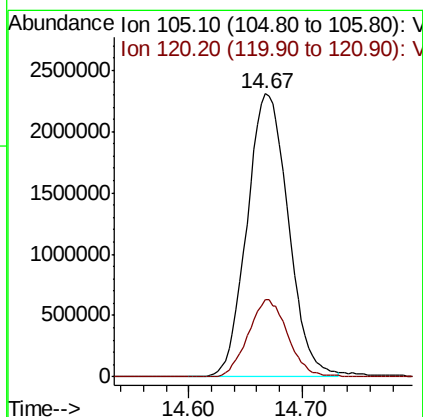
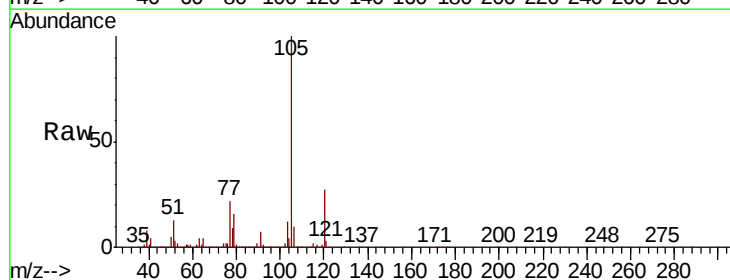
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

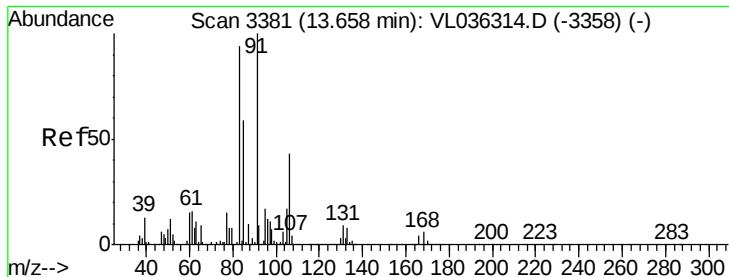
Tot Ion:104 Resp: 2822412
Ion Ratio Lower Upper
104 100
78 57.1 46.2 69.2
103 48.4 38.3 57.5



#62
Isopropylbenzene
Concen: 8.846 ppbv
RT: 14.67 min Scan# 3695
Delta R.T. 0.02 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

Tgt Ion:105 Resp: 5849873
Ion Ratio Lower Upper
105 100
120 26.4 20.6 30.8





#63

1,1,2,2-Tetrachloroethane

Concen: 8.094 ppbv

RT: 13.68 min Scan# 3387

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

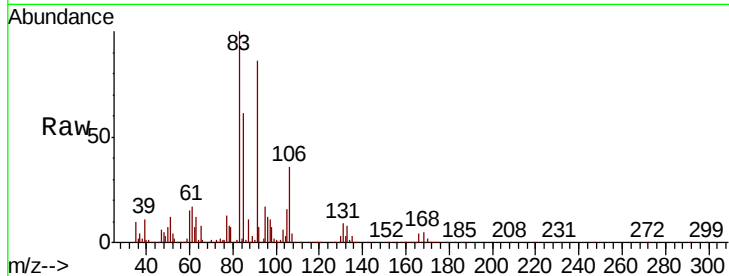
Tot Ion: 83 Resp: 2817589

Ion Ratio Lower Upper

83 100

131 9.1 4.7 14.0

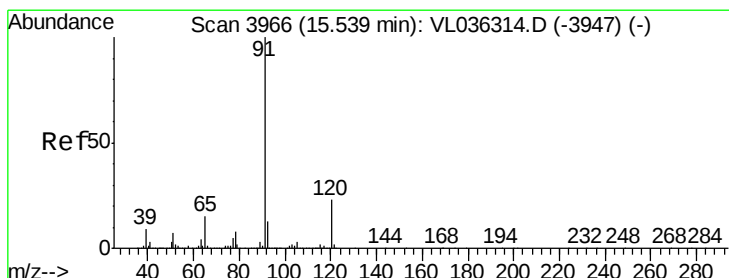
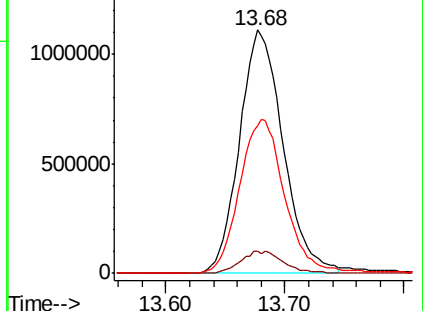
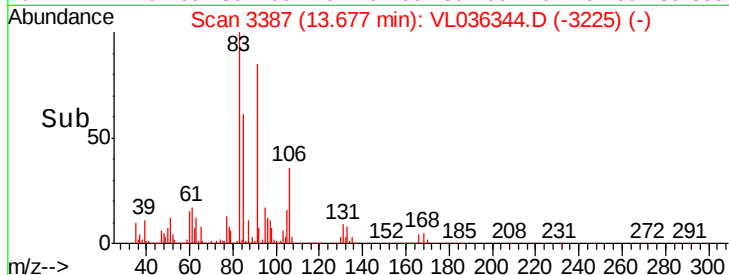
85 66.5 33.0 98.9



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.405 ppbv

RT: 15.56 min Scan# 3974

Delta R.T. 0.03 min

Lab File: VL036344.D

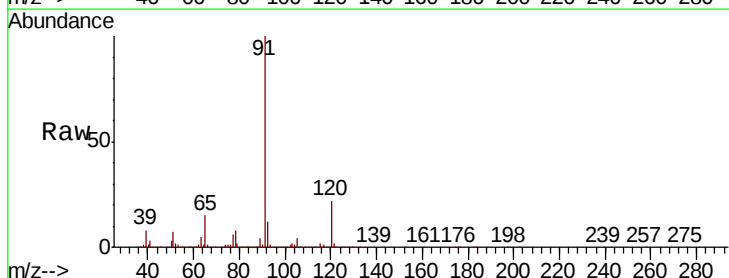
Acq: 24 Feb 2021 9:42

Tgt Ion:120 Resp: 1530684

Ion Ratio Lower Upper

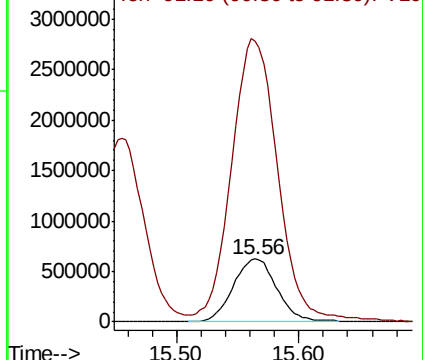
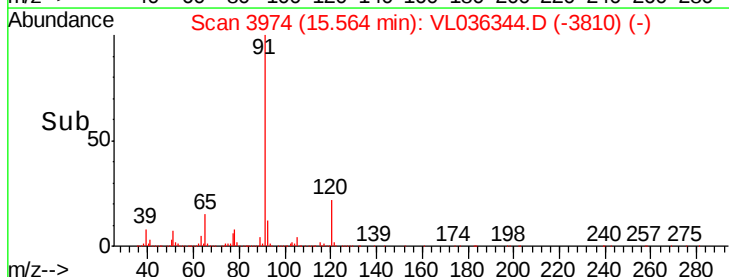
120 100

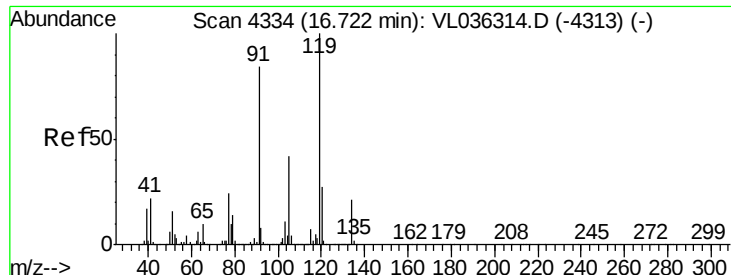
91 484.2 387.2 580.8



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

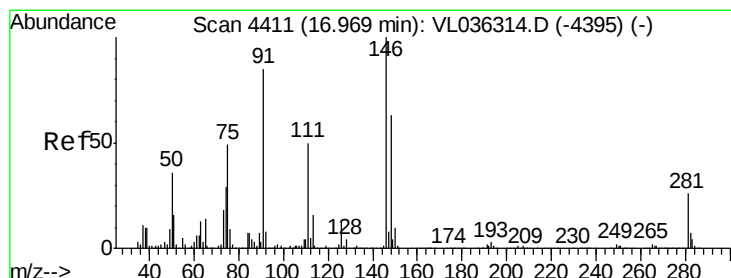
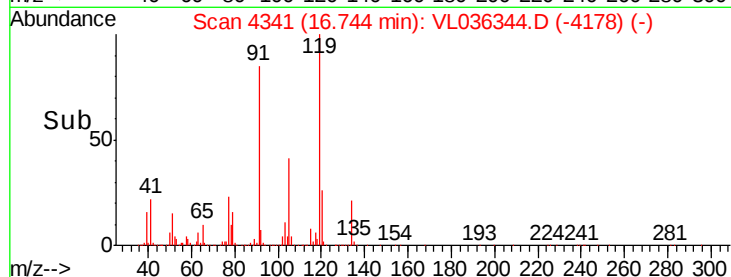
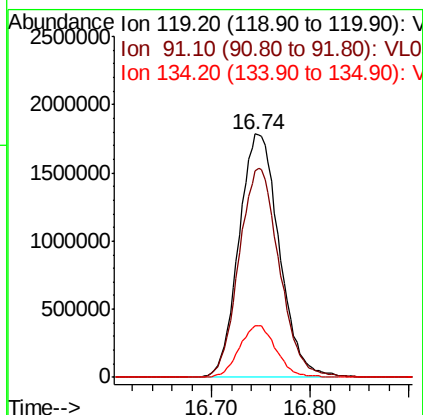
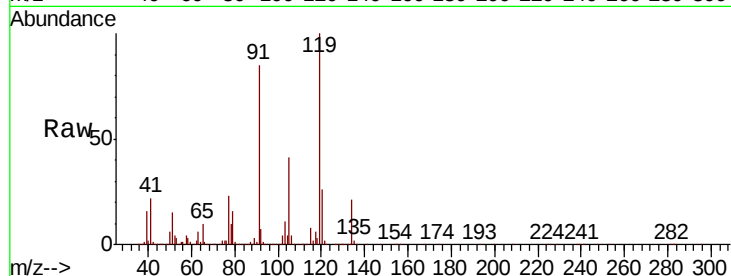




#65
tert-Butylbenzene
Concen: 8.902 ppbv
RT: 16.74 min Scan# 4341
Delta R.T. 0.02 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

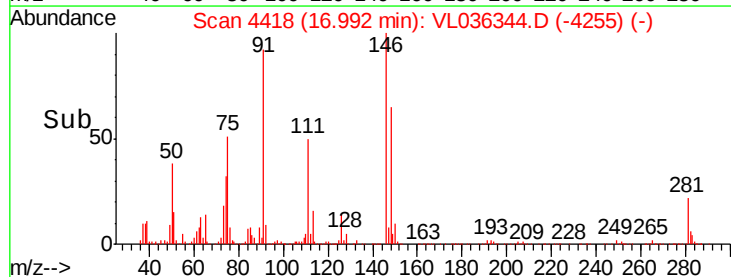
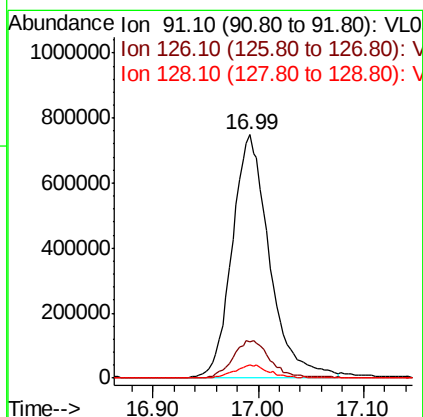
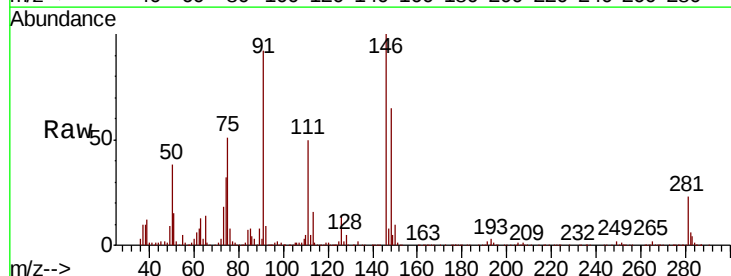
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

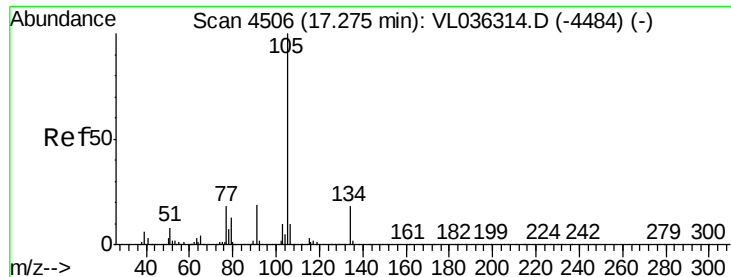
Tot Ion: 119 Resp: 5036871
Ion Ratio Lower Upper
119 100
91 86.3 70.5 105.7
134 19.7 15.8 23.8



#66
Benzyl Chloride
Concen: 11.875 ppbv
RT: 16.99 min Scan# 4418
Delta R.T. 0.02 min
Lab File: VL036344.D
Acq: 24 Feb 2021 9:42

Tgt Ion: 91 Resp: 1826647
Ion Ratio Lower Upper
91 100
126 16.0 12.9 19.3
128 5.4 4.2 6.2

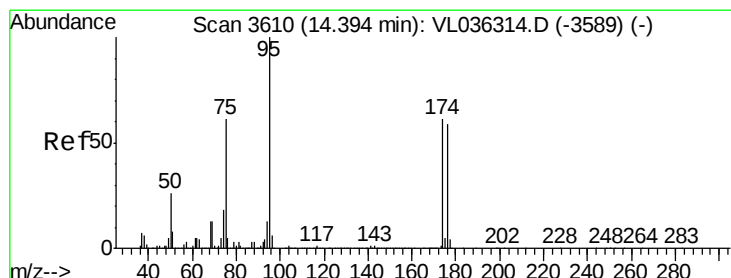
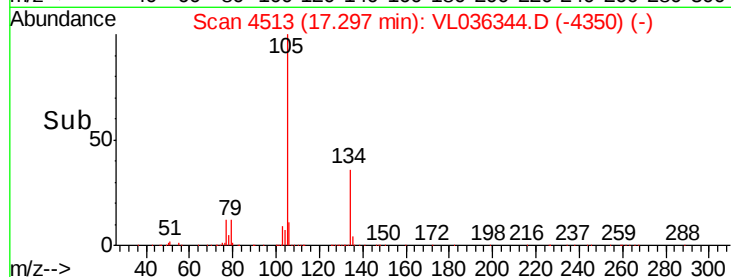
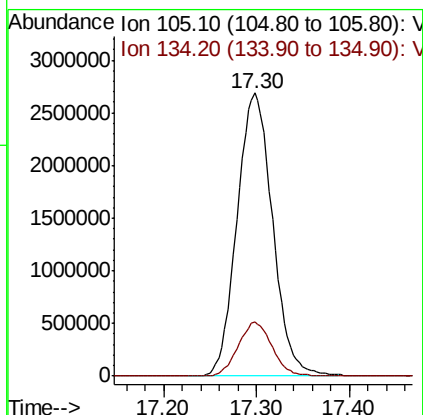
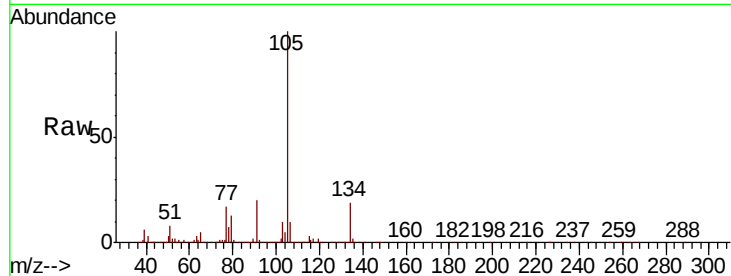




#67
 sec-Butylbenzene
 Concen: 8.733 ppbv
 RT: 17.30 min Scan# 4513
 Delta R.T. 0.02 min
 Lab File: VL036344.D
 Acq: 24 Feb 2021 9:42

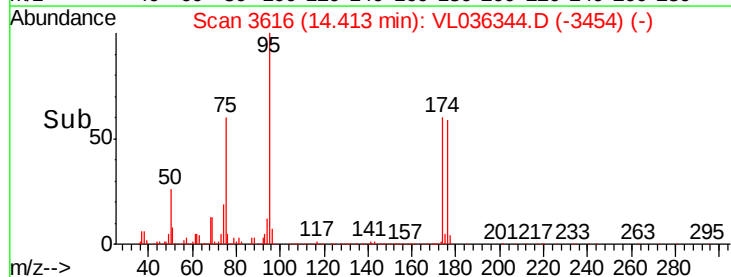
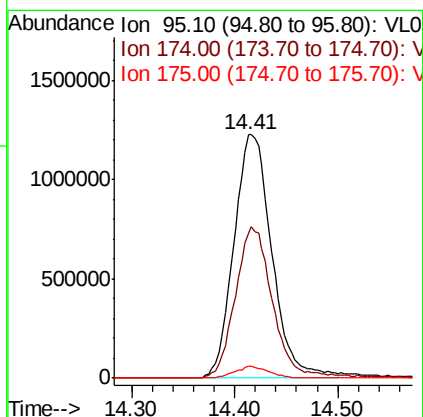
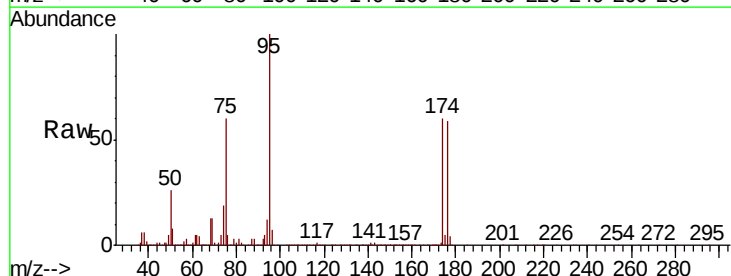
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

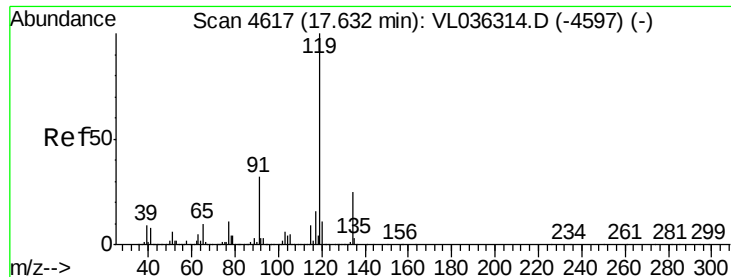
Tot Ion:105 Resp: 7126213
 Ion Ratio Lower Upper
 105 100
 134 18.3 14.2 21.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.964 ppbv
 RT: 14.41 min Scan# 3616
 Delta R.T. 0.02 min
 Lab File: VL036344.D
 Acq: 24 Feb 2021 9:42

Tgt Ion: 95 Resp: 3145269
 Ion Ratio Lower Upper
 95 100
 174 61.7 49.8 74.6
 175 4.6 3.7 5.5





#69

p-Isopropyltoluene

Concen: 9.296 ppbv

RT: 17.65 min Scan# 4624

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

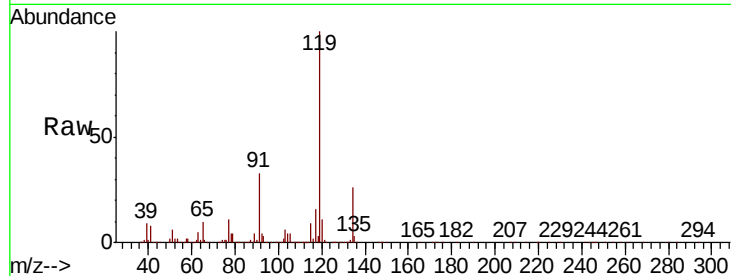
Tot Ion:119 Resp: 5862302

Ion Ratio Lower Upper

119 100

134 25.7 20.1 30.1

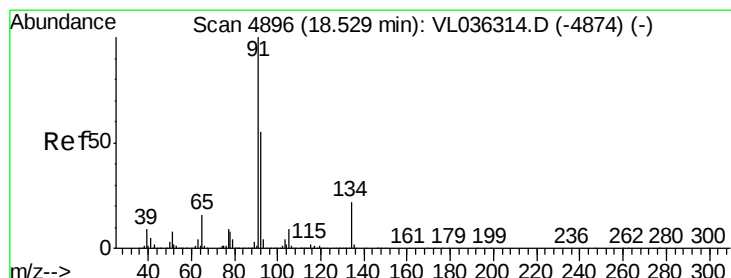
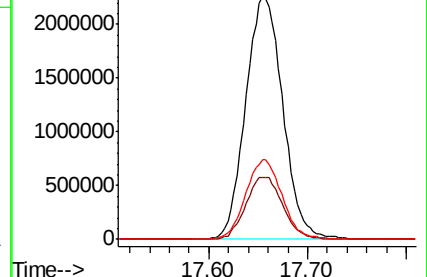
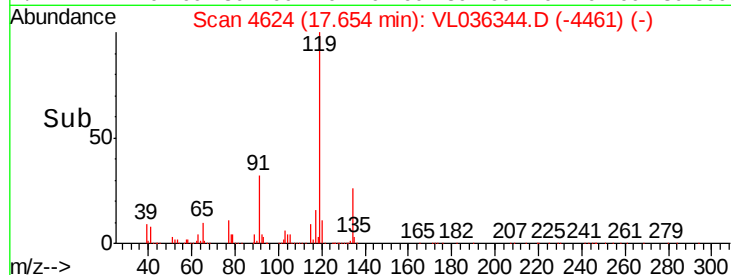
91 32.1 25.8 38.6



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 9.142 ppbv

RT: 18.55 min Scan# 4904

Delta R.T. 0.03 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

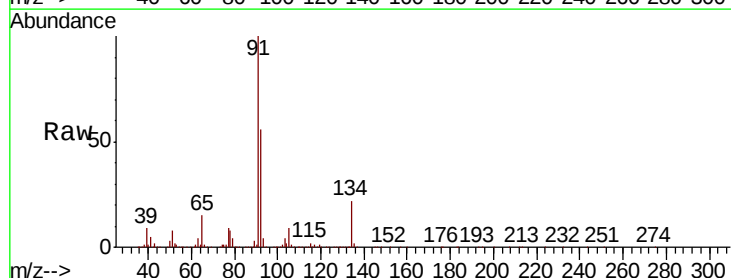
Tgt Ion: 91 Resp: 6182370

Ion Ratio Lower Upper

91 100

92 55.1 43.7 65.5

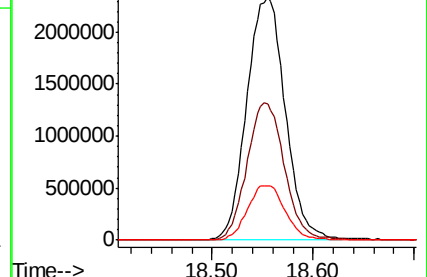
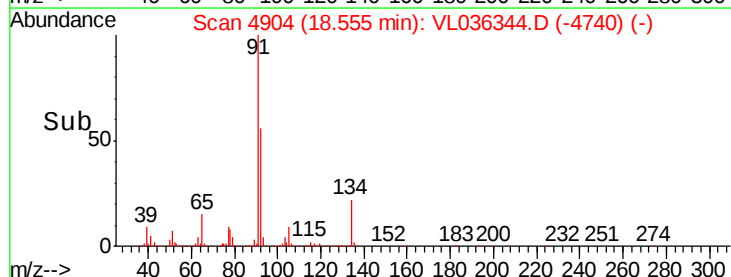
134 22.1 17.4 26.0

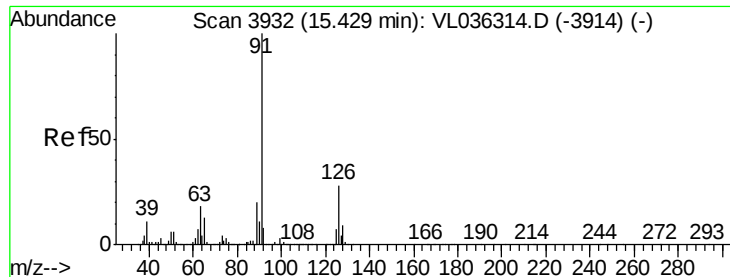


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 9.077 ppbv

RT: 15.46 min Scan# 3940

Delta R.T. 0.03 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

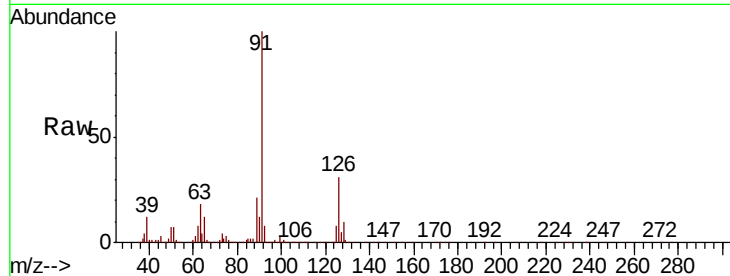
VSTDCCC010

Tot Ion: 91 Resp: 4601440

Ion Ratio Lower Upper

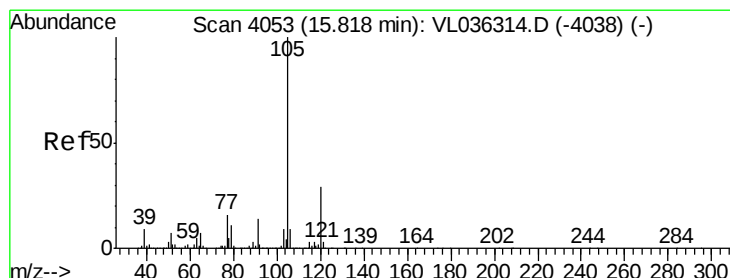
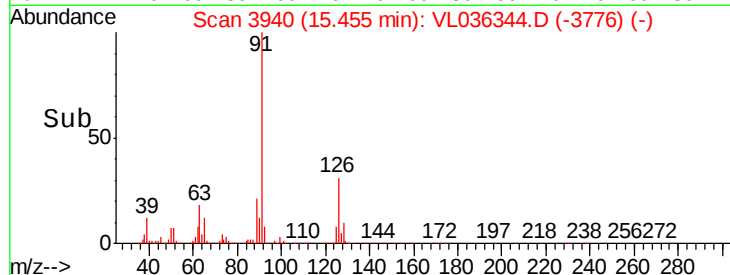
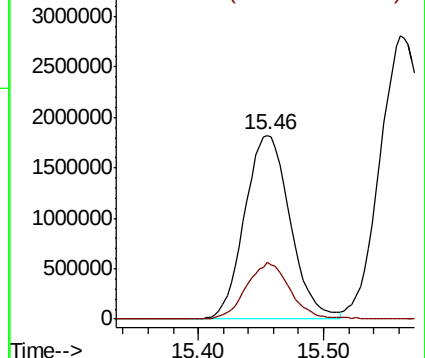
91 100

126 30.2 11.5 46.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.394 ppbv

RT: 15.84 min Scan# 4060

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Tgt Ion: 105 Resp: 4612603

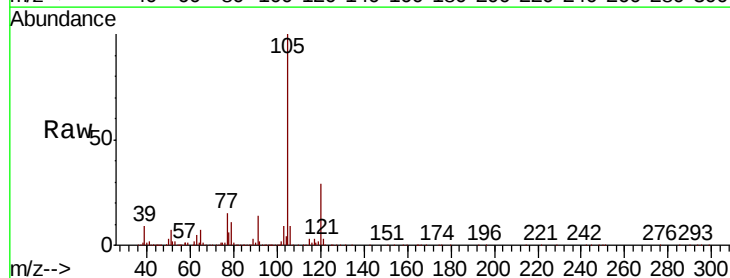
Ion Ratio Lower Upper

105 100

120 29.3 23.2 34.8

91 13.9 11.0 16.4

77 15.0 12.2 18.4

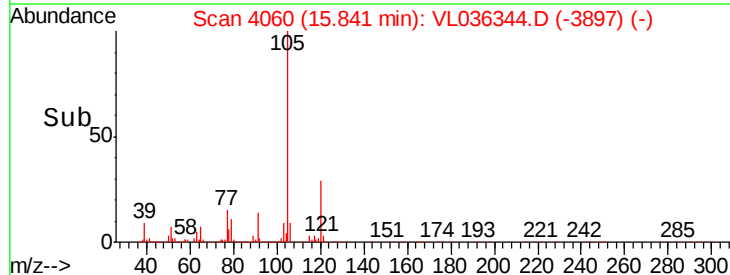
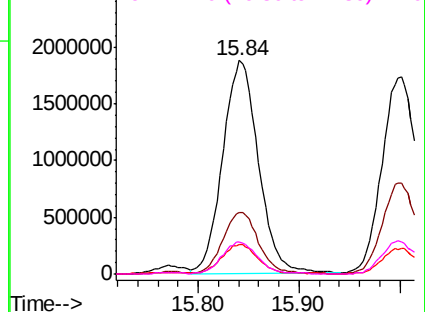


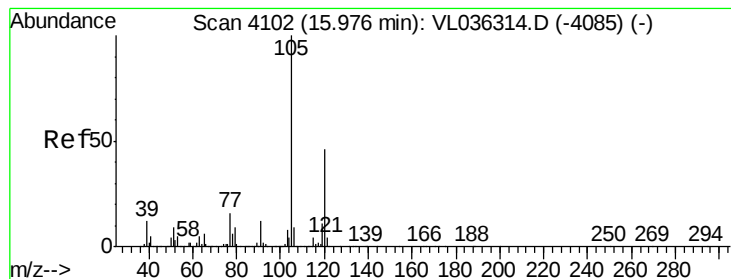
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 9.068 ppbv

RT: 16.00 min Scan# 4110

Delta R.T. 0.03 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

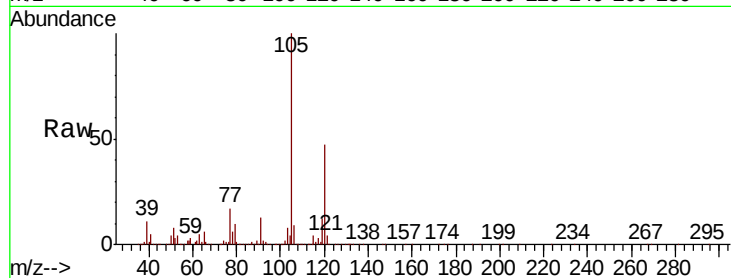
VSTDCCC010

Tot Ion:105 Resp: 4315853

Ion Ratio Lower Upper

105 100

120 46.7 36.9 55.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.00

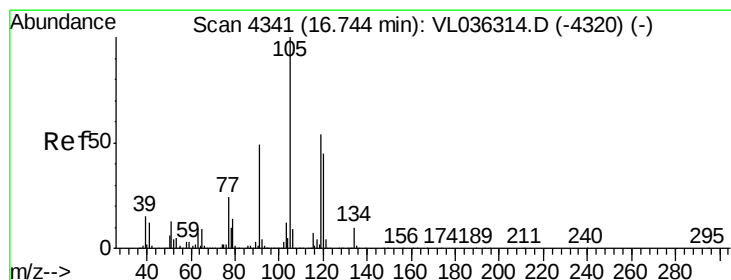
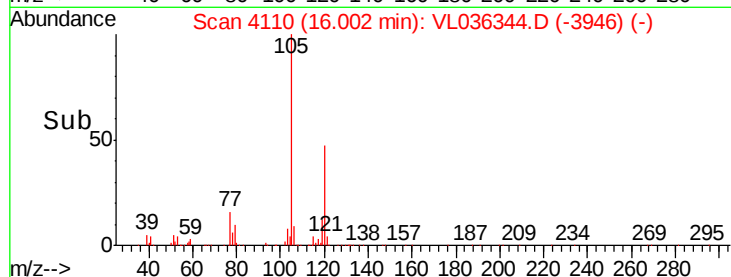
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.061 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Tgt Ion:105 Resp: 4402804

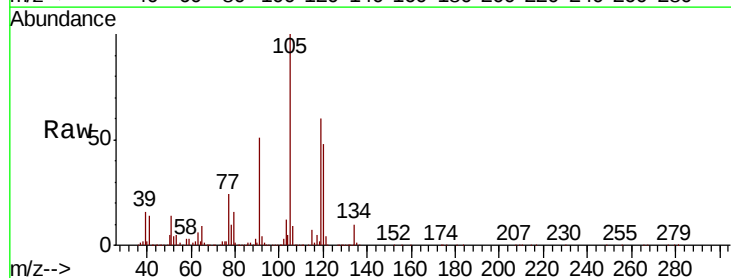
Ion Ratio Lower Upper

105 100

120 47.6 35.8 53.6

91 51.1 39.8 59.6

77 24.1 19.1 28.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2500000

2000000

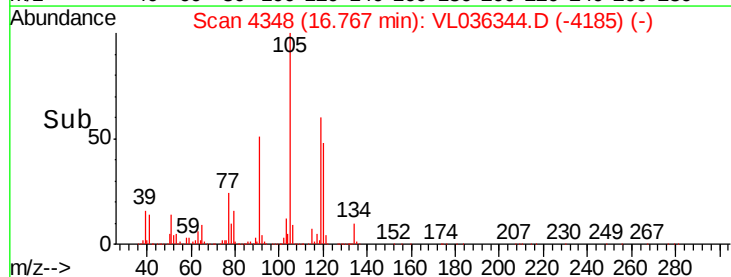
1500000

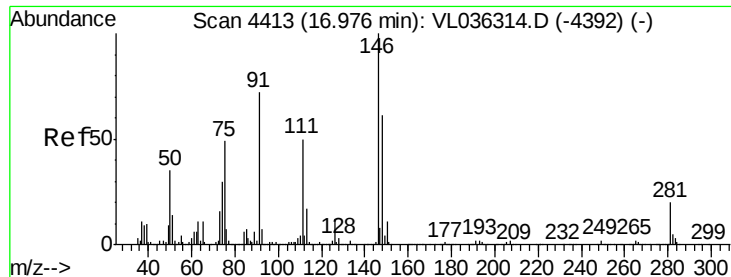
1000000

500000

0

Time-->

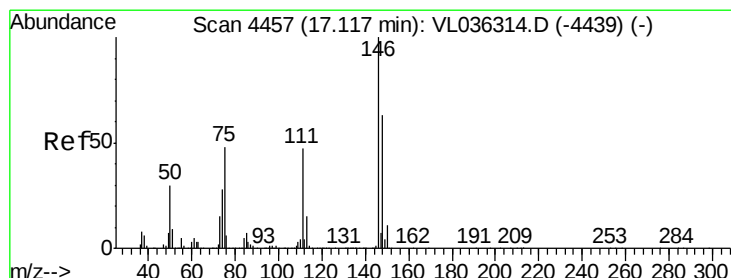
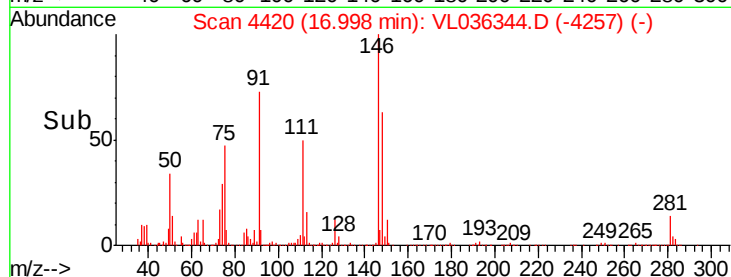
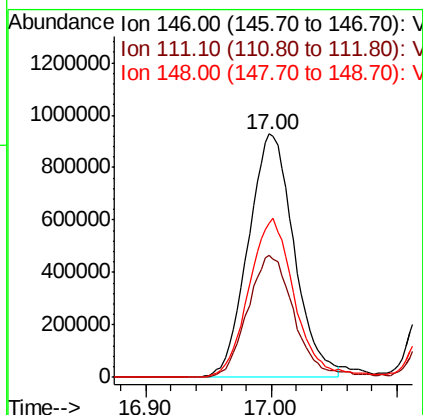
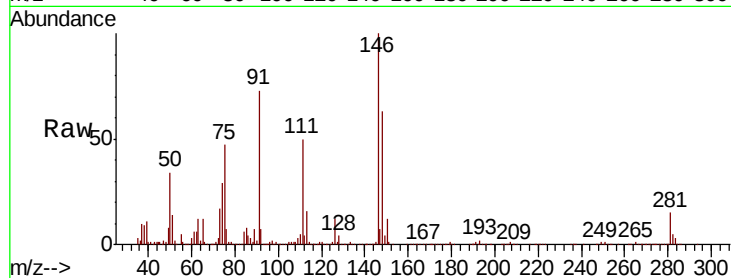




#75
 1,3-Dichlorobenzene
 Concen: 8.938 ppbv
 RT: 17.00 min Scan# 4420
 Delta R.T. 0.02 min
 Lab File: VL036344.D
 Acq: 24 Feb 2021 9:42

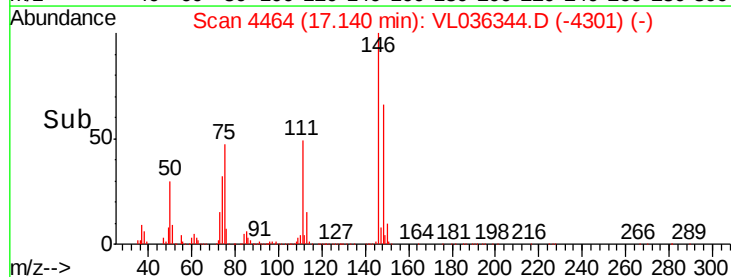
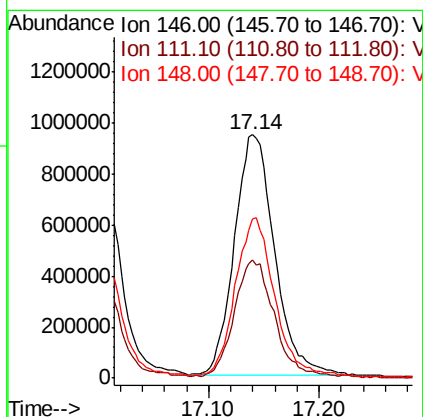
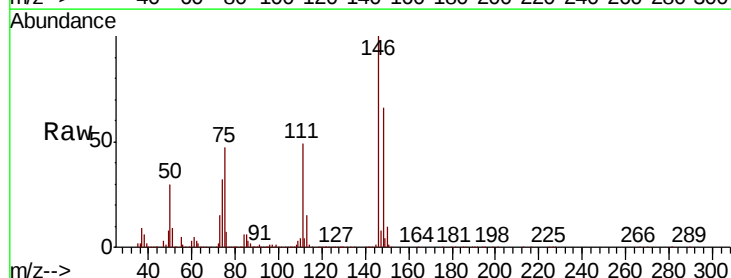
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

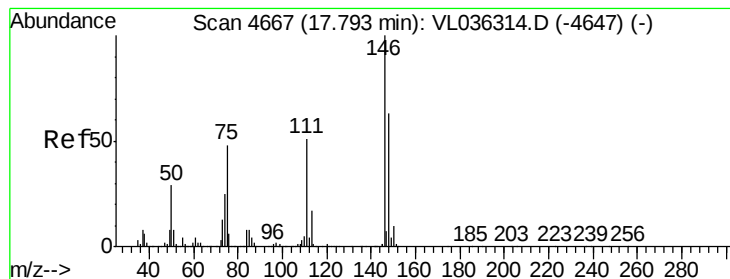
Tot Ion:146 Resp: 2357279
 Ion Ratio Lower Upper
 146 100
 111 51.0 24.9 74.6
 148 65.2 31.9 95.9



#76
 1,4-Dichlorobenzene
 Concen: 8.676 ppbv
 RT: 17.14 min Scan# 4464
 Delta R.T. 0.02 min
 Lab File: VL036344.D
 Acq: 24 Feb 2021 9:42

Tgt Ion:146 Resp: 2376054
 Ion Ratio Lower Upper
 146 100
 111 49.3 23.6 71.0
 148 66.7 31.6 95.0





#77

1,2-Dichlorobenzene

Concen: 9.010 ppbv

RT: 17.82 min Scan# 4676

Delta R.T. 0.03 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

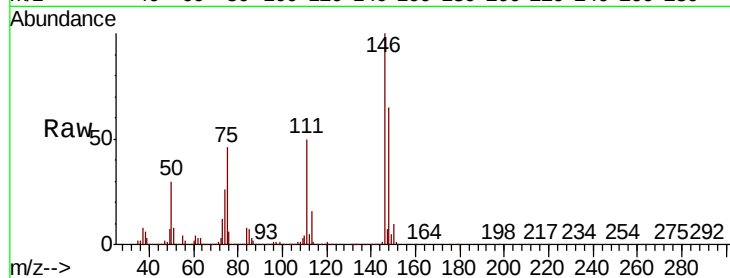
Tot Ion:146 Resp: 2357475

Ion Ratio Lower Upper

146 100

111 51.2 25.9 77.8

148 64.8 32.5 97.4

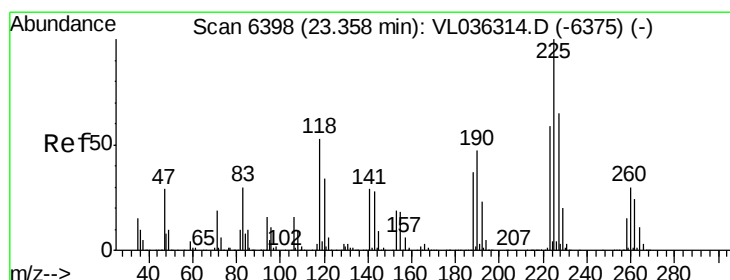
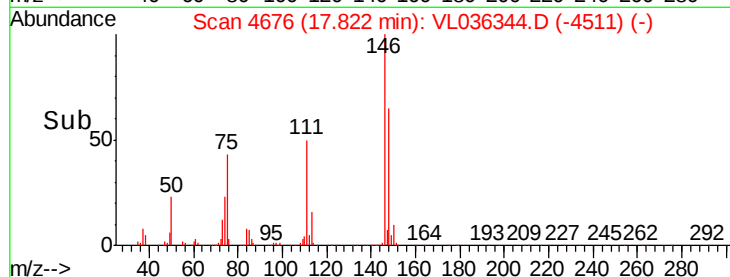
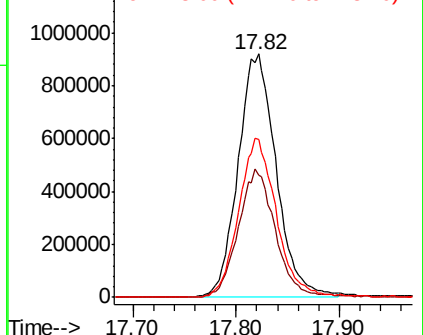


Abundance

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: 7.904 ppbv

RT: 23.38 min Scan# 6404

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

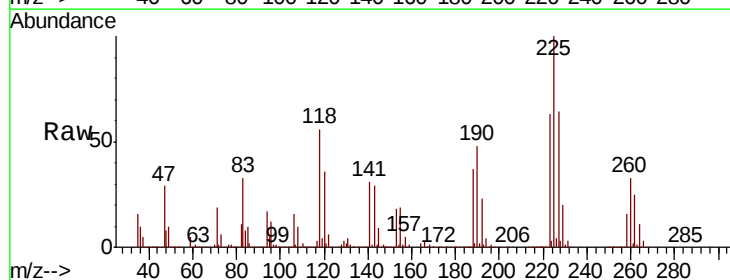
Tgt Ion:225 Resp: 1689450

Ion Ratio Lower Upper

225 100

223 64.0 50.8 76.2

227 65.0 52.2 78.2

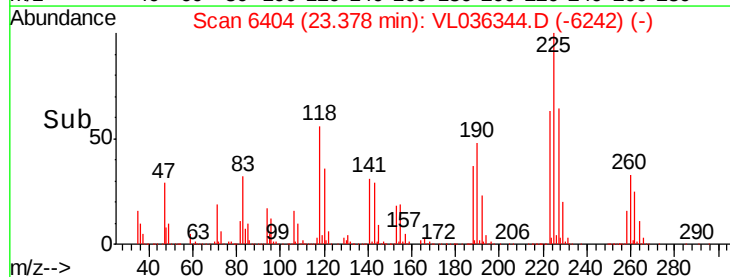
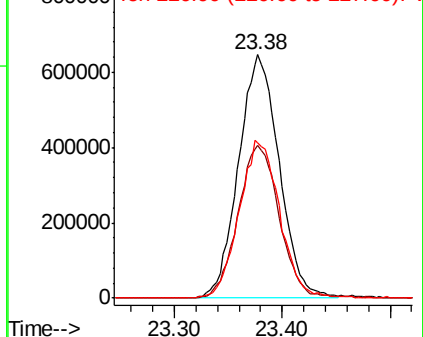


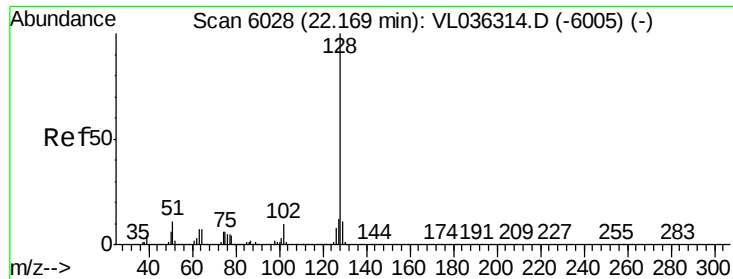
Abundance

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: 5.223 ppbv

RT: 22.20 min Scan# 6039

Delta R.T. 0.04 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

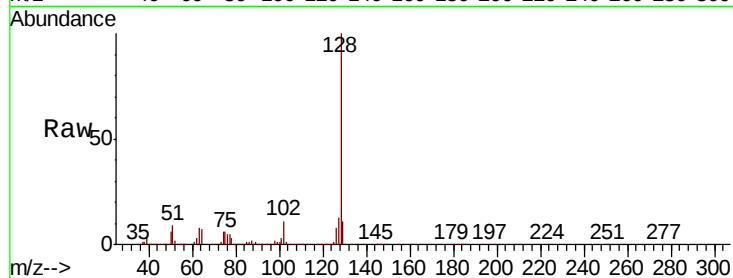
Tot Ion:128 Resp: 1504269

Ion Ratio Lower Upper

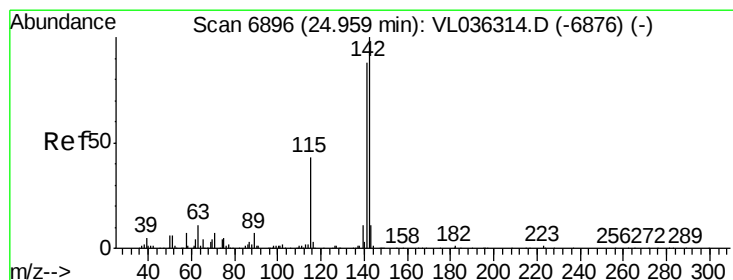
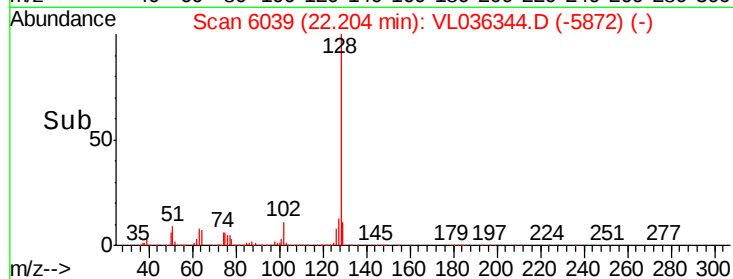
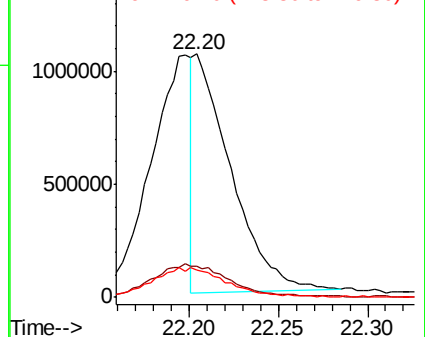
128 100

127 12.7 9.6 14.4

129 11.2 8.5 12.7



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: 21.608 ppbv

RT: 24.98 min Scan# 6901

Delta R.T. 0.02 min

Lab File: VL036344.D

Acq: 24 Feb 2021 9:42

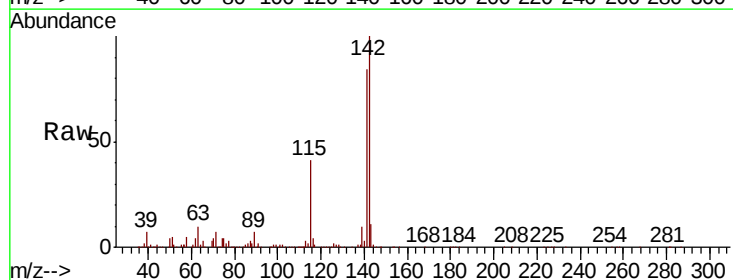
Tgt Ion:142 Resp: 1152403

Ion Ratio Lower Upper

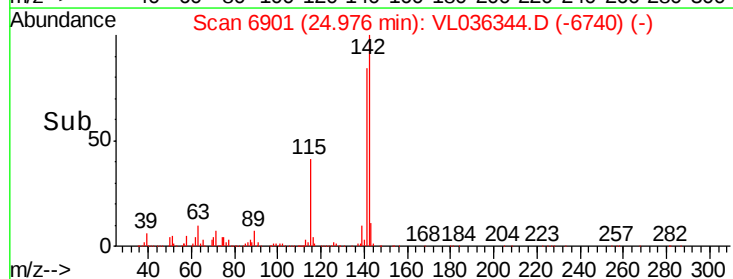
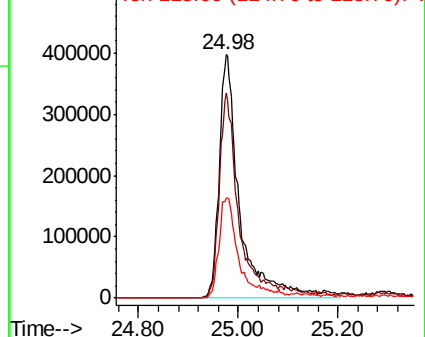
142 100

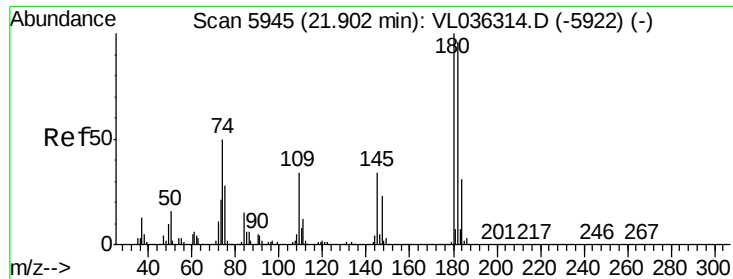
141 81.4 64.4 96.6

115 42.9 34.6 51.8



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: 9.899 ppbv
 RT: 21.93 min Scan# 5954
 Delta R.T. 0.03 min
 Lab File: VL036344.D
 Acq: 24 Feb 2021 9:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:180 Resp: 1739545
 Ion Ratio Lower Upper
 180 100
 182 100.1 80.2 120.4
 184 31.8 25.0 37.6

