

Data File : VL034861.D
Acq On : 10 Mar 2020 8:58
Operator : SY/AP
Sample : VSTDCCC010EC
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Quant Time: Mar 10 09:30:47 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 09 16:42:53 2020
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	903718	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2041870	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2557271	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1664610	8.35	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.01	85	936698	7.569	ppbv	98
3) Chlorodifluoromethane	2.94	51	930089	9.213	ppbv	97
4) Chloromethane	3.10	50	553771	9.706	ppbv	97
5) Vinyl Chloride	3.21	62	521661	9.510	ppbv	95
6) Bromomethane	3.44	94	309965	9.707	ppbv	97
7) Chloroethane	3.52	64	190336	9.609	ppbv	94
8) Dichlorotetrafluoroethane	3.15	85	1171469	9.115	ppbv	99
9) Propene	2.97	41	433886	9.002	ppbv	100
10) Heptane	8.12	43	1150260	9.697	ppbv	99
11) Trichlorofluoromethane	3.92	101	1229208	9.336	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.46	101	861471	9.349	ppbv	97
13) Ethanol	3.57	45	129921	8.866	ppbv	97
14) Bromoethene	3.71	108	380673	9.566	ppbv	98
15) Acetone	3.82	43	1092821	9.330	ppbv	100
16) 1,3-Butadiene	3.29	39	499119	9.423	ppbv	99
17) tert-Butyl alcohol	4.27	59	1116305	9.892	ppbv	99
18) 1,1-Dichloroethene	4.26	96	383833	9.406	ppbv	95
19) Isopropyl Alcohol	3.94	45	764006	10.329	ppbv #	40
20) Methylene Chloride	4.32	84	337250	9.107	ppbv	96
21) Allyl Chloride	4.38	41	721721	9.594	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	394740	9.535	ppbv	94
23) Vinyl Acetate	5.05	43	1678518	9.701	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1079100	9.303	ppbv	99
25) Ethyl Acetate	5.66	43	1926722	9.233	ppbv	99
26) Hexane	5.67	57	840473	9.353	ppbv	100
27) Carbon Disulfide	4.52	76	1011779	9.922	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1367096	9.144	ppbv	99
29) Chloroform	5.74	83	1286722	9.385	ppbv	96
30) Cyclohexane	7.13	84	714663	9.532	ppbv	100
31) cis-1,2-Dichloroethene	5.53	61	866326	9.427	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	1268741	9.497	ppbv	99
34) 2-Butanone	5.22	43	1292036	9.522	ppbv	100
35) Carbon Tetrachloride	7.02	117	1314327	10.349	ppbv	97
36) Benzene	6.89	78	1714452	9.420	ppbv	98
37) 1,2-Dichloroethane	6.30	62	999119	9.736	ppbv	99
38) Trichloroethene	7.84	130	649100	9.391	ppbv	98
39) 1,2-Dichloropropane	7.62	63	671001	9.305	ppbv	95
40) 1,4-Dioxane	7.83	88	250186	9.187	ppbv #	96
41) Tetrahydrofuran	6.04	42	727634	9.910	ppbv	99
42) Bromodichloromethane	7.80	83	1350265	9.654	ppbv	99
43) Methyl Methacrylate	8.02	69	774903	10.106	ppbv	99

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Instrument :
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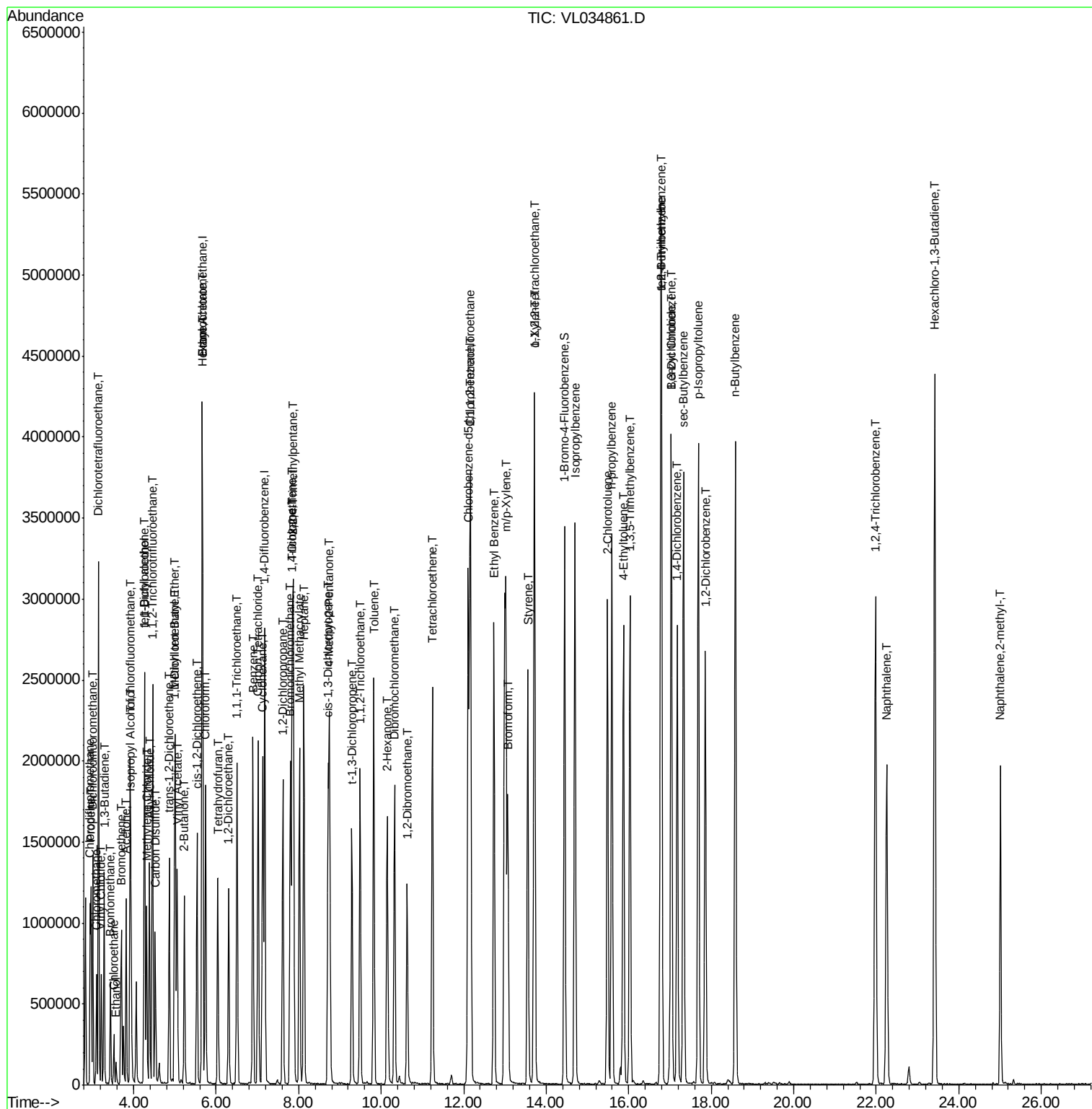
Quant Time: Mar 10 09:30:47 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Mar 09 16:42:53 2020
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration

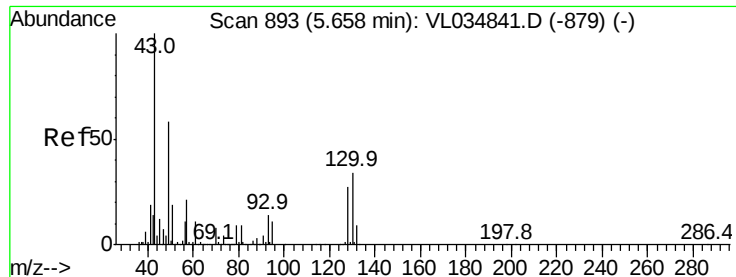
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	2916272	9.482	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	935678	10.387	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1081112	10.099	ppbv	96
47) 1,1,2-Trichloroethane	9.49	97	694924	9.391	ppbv	97
48) Dibromochloromethane	10.32	129	1146786	9.569	ppbv	99
49) Bromoform	13.07	173	1010724	9.459	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	1890878	9.680	ppbv	100
51) 2-Hexanone	10.14	43	1551882	9.776	ppbv #	99
52) Tetrachloroethene	11.24	164	614263	8.531	ppbv	96
53) Toluene	9.82	91	1992001	9.478	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1046037	9.390	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.15	131	873628	7.605	ppbv	97
57) Chlorobenzene	12.17	112	1467300	7.333	ppbv	97
58) Ethyl Benzene	12.73	91	2614087	7.548	ppbv	98
59) m/p-Xylene	13.02	91	1983636	6.837	ppbv #	30
60) o-Xylene	13.72	91	2085083	7.360	ppbv	99
61) Styrene	13.55	104	1570247	7.898	ppbv	99
62) Isopropylbenzene	14.70	105	3123419	7.292	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	1411436	7.339	ppbv	99
64) n-propylbenzene	15.59	120	823973	7.391	ppbv	96
65) tert-Butylbenzene	16.78	119	2726057	7.280	ppbv	99
66) Benzyl Chloride	17.02	91	1367940	8.761	ppbv	99
67) sec-Butylbenzene	17.33	105	3854122	7.423	ppbv	99
69) p-Isopropyltoluene	17.69	119	3242975	7.449	ppbv	99
70) n-Butylbenzene	18.59	91	3378866	7.606	ppbv	99
71) 2-Chlorotoluene	15.49	91	2385734	7.355	ppbv	99
72) 4-Ethyltoluene	15.87	105	2515687	7.520	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	2363122	7.546	ppbv	97
74) 1,2,4-Trimethylbenzene	16.80	105	2437026	7.553	ppbv	98
75) 1,3-Dichlorobenzene	17.03	146	1420987	7.304	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1454808	7.494	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	1417141	7.515	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1279360	8.122	ppbv	100
79) Naphthalene	22.25	128	2547385	10.124	ppbv	99
80) Naphthalene,2-methyl-	25.01	142	1077159	16.381	ppbv	99
81) 1,2,4-Trichlorobenzene	21.98	180	1456328	9.110	ppbv	99

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

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.00 min

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Acq: 10 Mar 2020 8:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

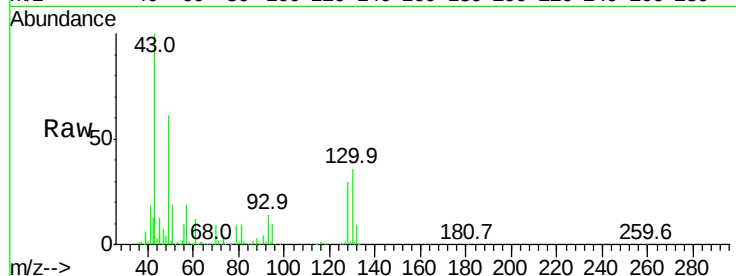
Tgt Ion: 49 Resp: 903718

Ion Ratio Lower Upper

49 100

128 45.9 23.4 70.3

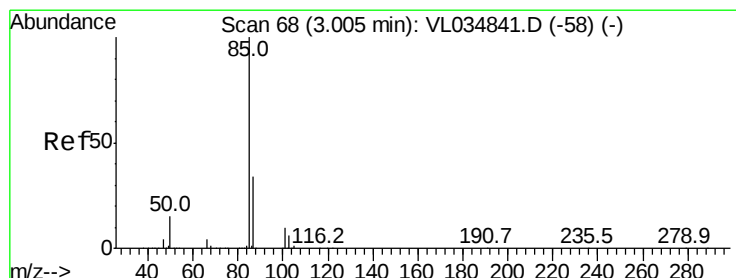
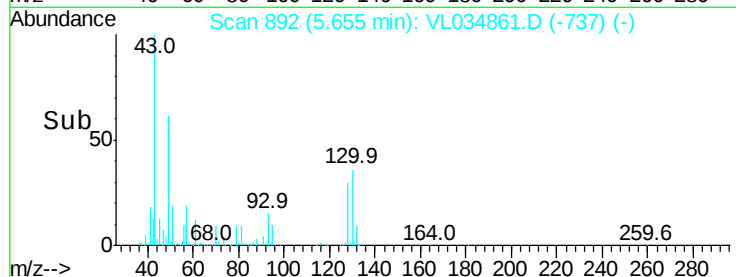
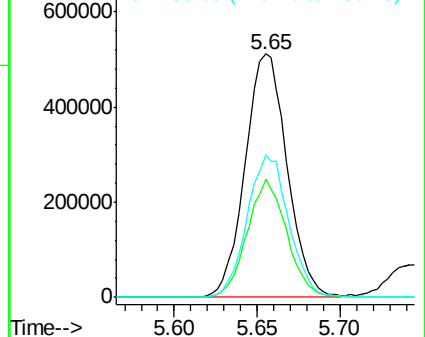
130 58.2 30.0 90.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 7.569 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL034861.D

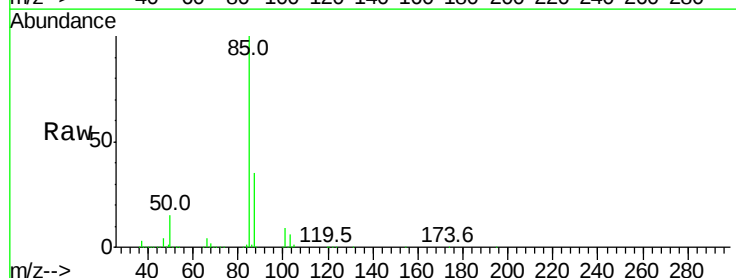
Acq: 10 Mar 2020 8:58

Tgt Ion: 85 Resp: 936698

Ion Ratio Lower Upper

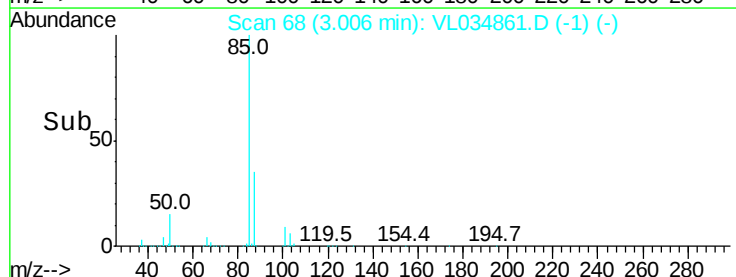
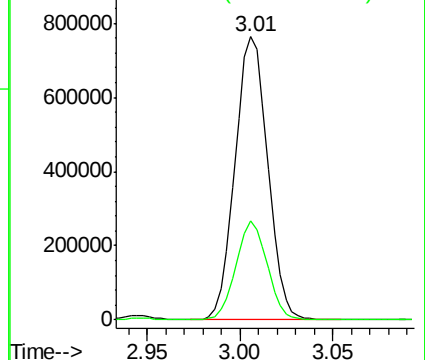
85 100

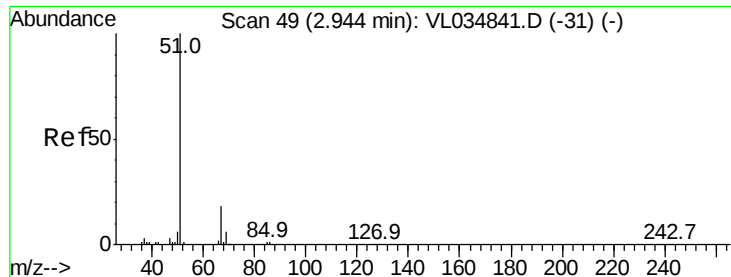
87 34.9 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.213 ppbv

RT: 2.94 min Scan# 49

Delta R.T. 0.00 min

Lab File: VL034861.D

Acq: 10 Mar 2020 8:58

Instrument :

MSVOA_L

ClientSampleId :

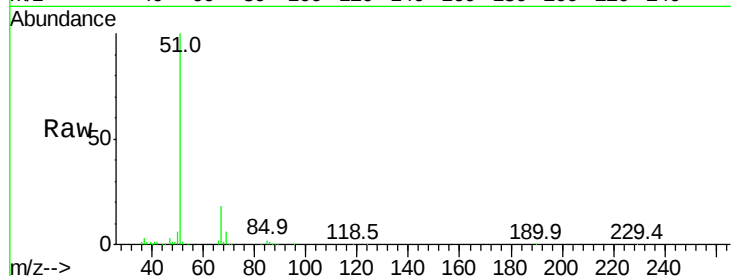
VSTDCCC010EC

Tgt Ion: 51 Resp: 930089

Ion Ratio Lower Upper

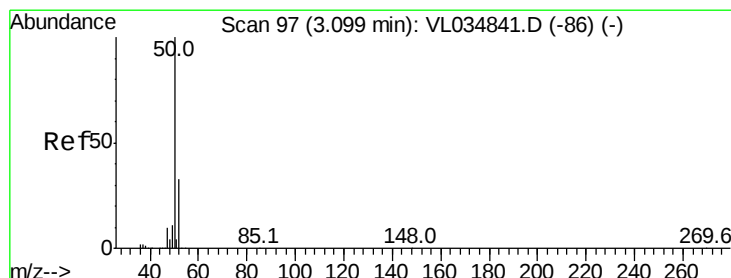
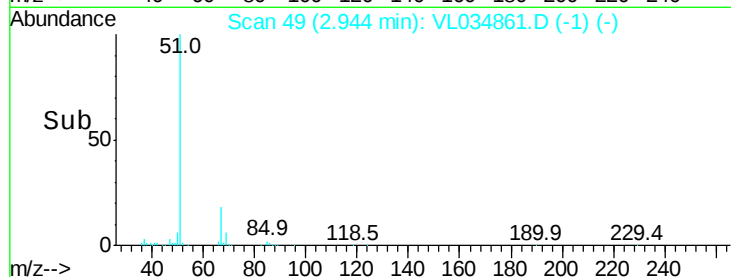
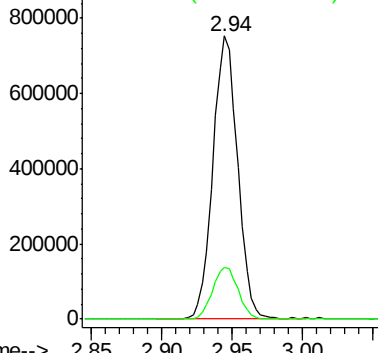
51 100

67 19.1 14.3 21.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.706 ppbv

RT: 3.10 min Scan# 97

Delta R.T. 0.00 min

Lab File: VL034861.D

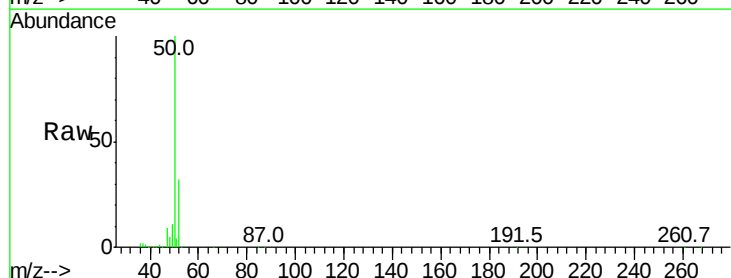
Acq: 10 Mar 2020 8:58

Tgt Ion: 50 Resp: 553771

Ion Ratio Lower Upper

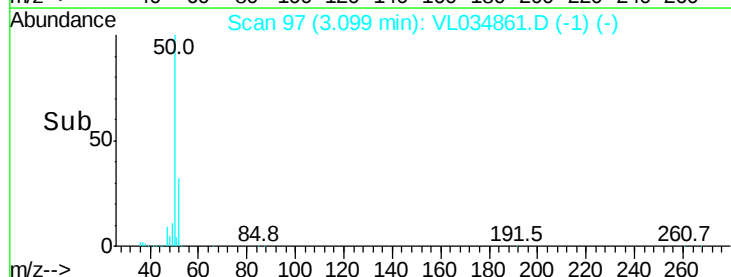
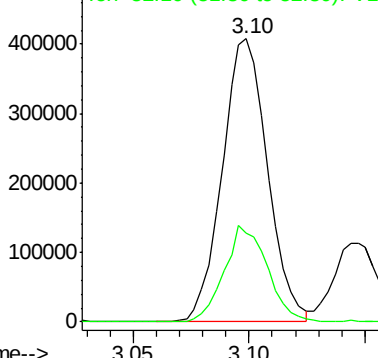
50 100

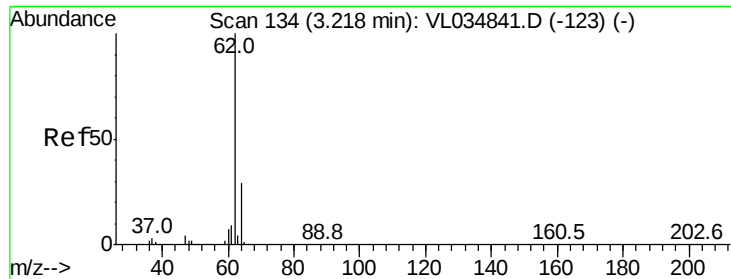
52 31.5 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.510 ppbv

RT: 3.21 min Scan# 133

Delta R.T. -0.00 min

Lab File: VL034861.D

Acq: 10 Mar 2020 8:58

Instrument :

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ClientSampleId :

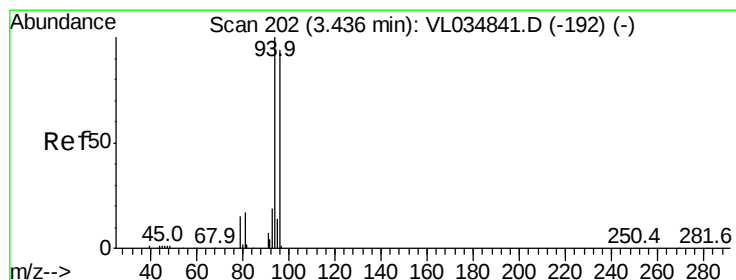
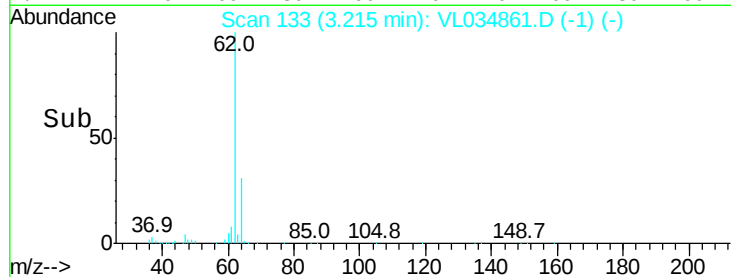
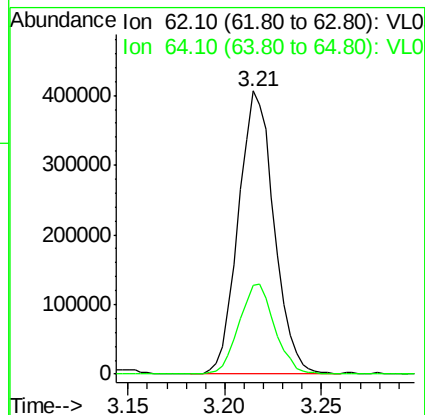
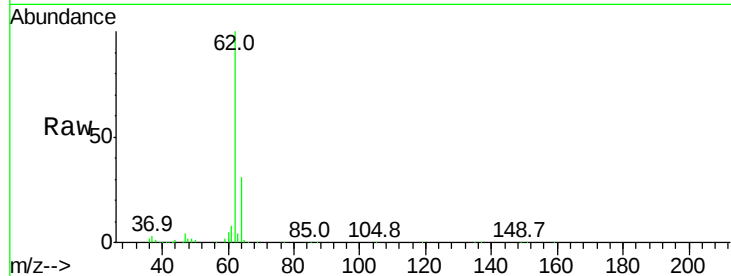
VSTDCCC010EC

Tgt Ion: 62 Resp: 521661

Ion Ratio Lower Upper

62 100

64 31.3 23.0 34.4



#6

Bromomethane

Concen: 9.707 ppbv

RT: 3.44 min Scan# 202

Delta R.T. 0.00 min

Lab File: VL034861.D

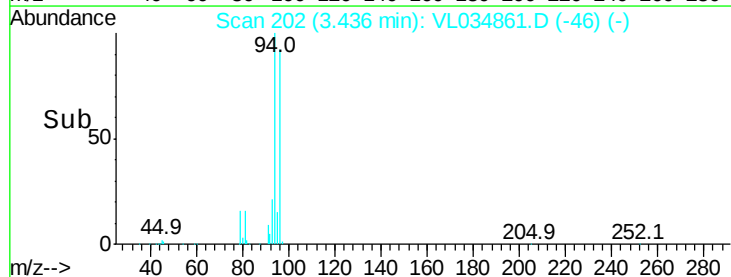
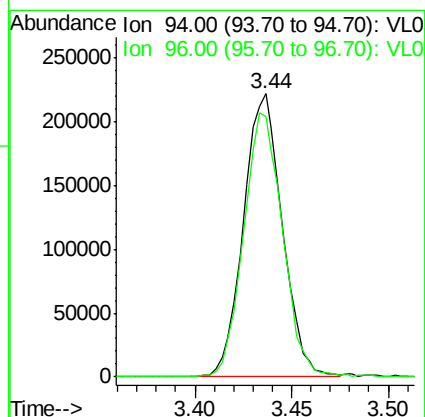
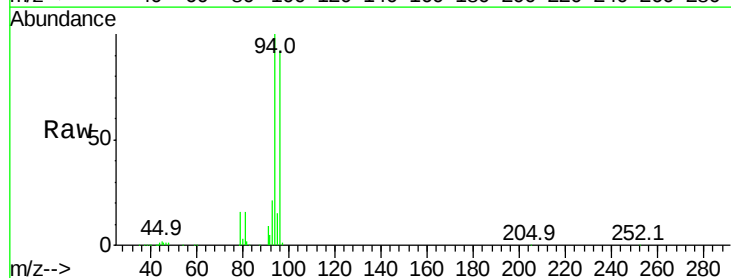
Acq: 10 Mar 2020 8:58

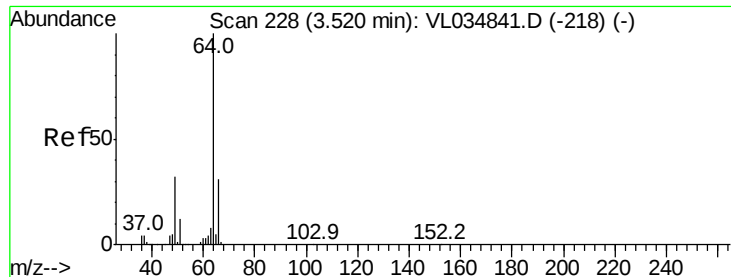
Tgt Ion: 94 Resp: 309965

Ion Ratio Lower Upper

94 100

96 91.9 75.5 113.3





#7

Chloroethane

Concen: 9.609 ppbv

RT: 3.52 min Scan# 228

Delta R.T. 0.00 min

Lab File: VL034861.D

Acq: 10 Mar 2020 8:58

Instrument :

MSVOA_L

ClientSampleId :

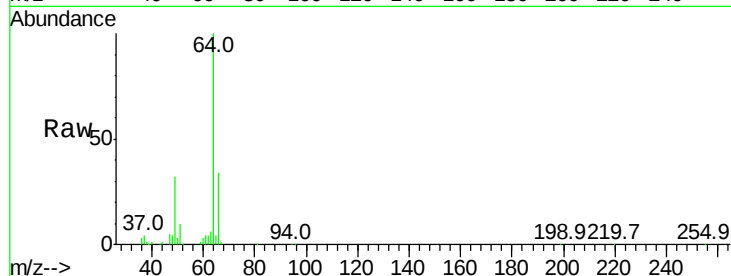
VSTDCCC010EC

Tgt Ion: 64 Resp: 190336

Ion Ratio Lower Upper

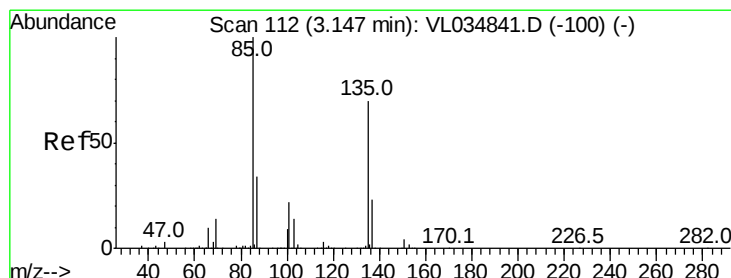
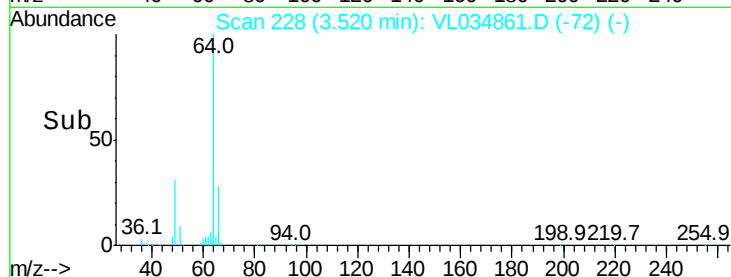
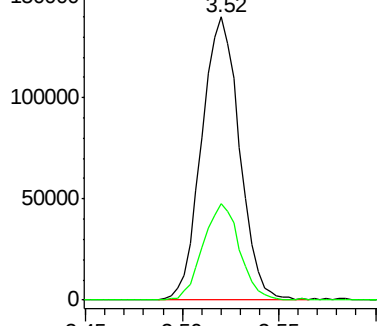
64 100

66 34.2 24.8 37.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.115 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL034861.D

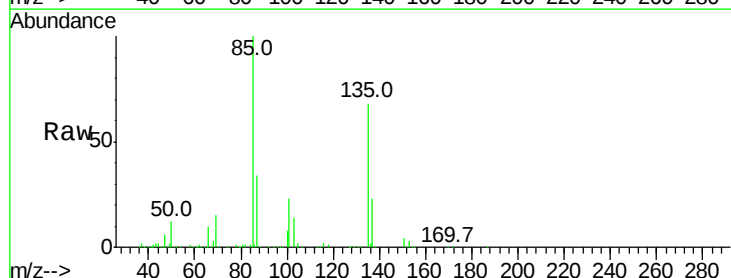
Acq: 10 Mar 2020 8:58

Tgt Ion: 85 Resp: 1171469

Ion Ratio Lower Upper

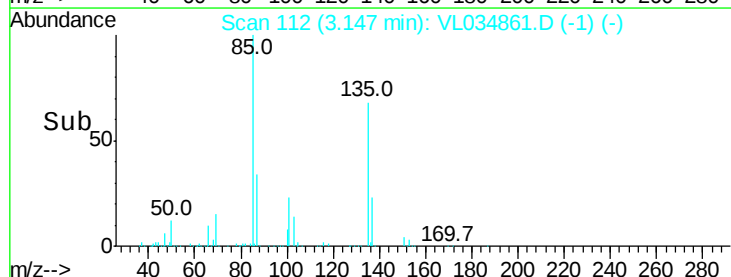
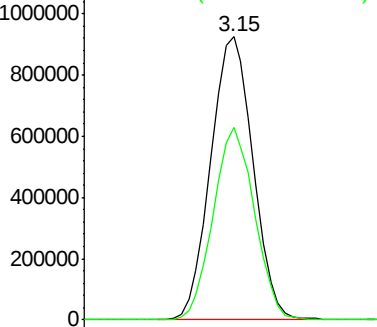
85 100

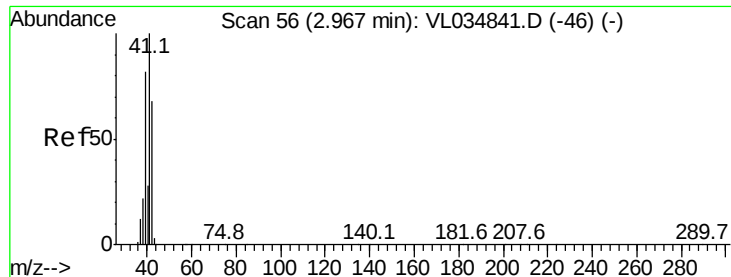
135 66.8 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.002 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.00 min

Lab File: VL034861.D

Acq: 10 Mar 2020 8:58

Instrument :

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ClientSampleId :

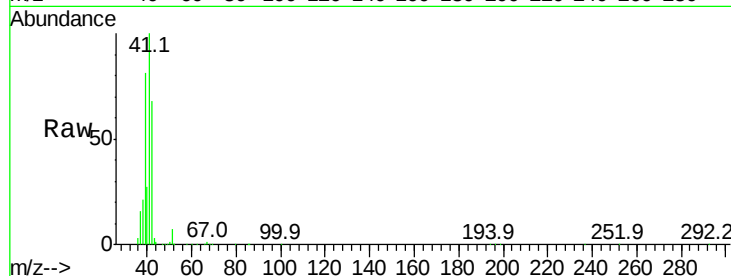
VSTDCCC010EC

Tgt Ion: 41 Resp: 433886

Ion Ratio Lower Upper

41 100

42 69.0 55.2 82.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

2.97

400000

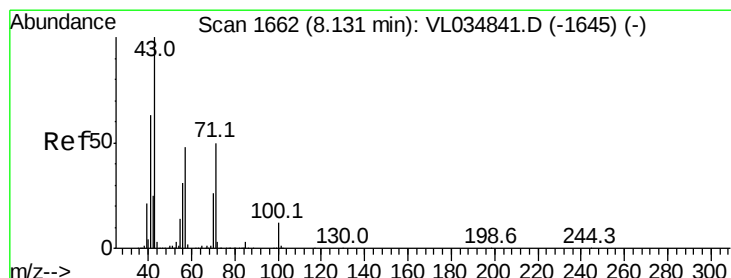
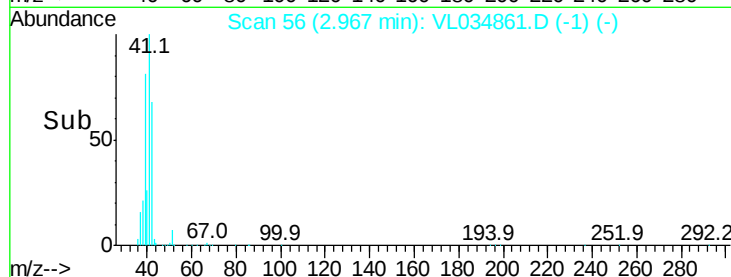
300000

200000

100000

0

Time-->



#10

Heptane

Concen: 9.697 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.01 min

Lab File: VL034861.D

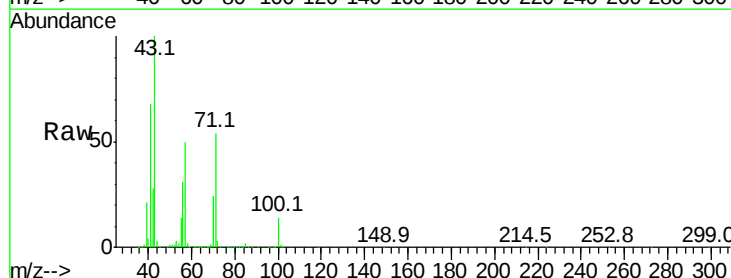
Acq: 10 Mar 2020 8:58

Tgt Ion: 43 Resp: 1150260

Ion Ratio Lower Upper

43 100

57 50.3 39.7 59.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.12

600000

500000

400000

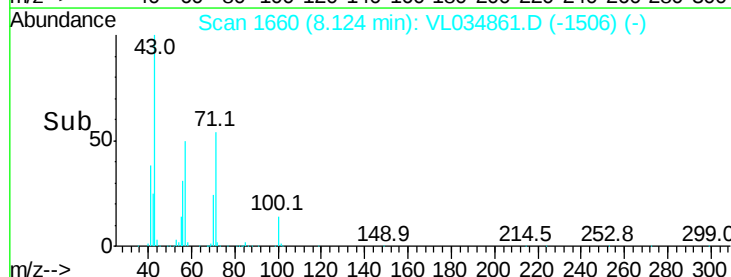
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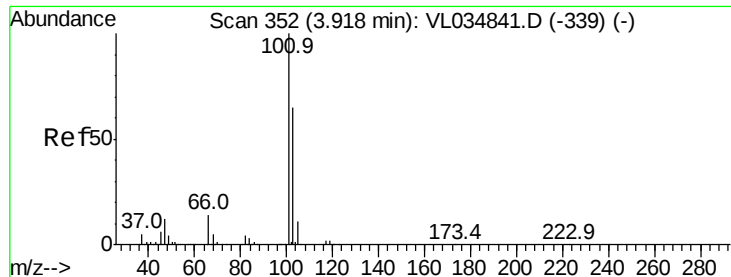
200000

100000

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Time-->

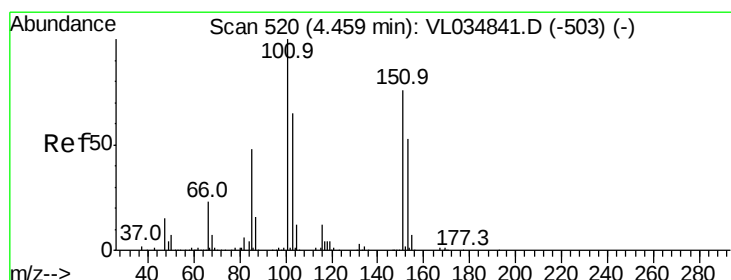
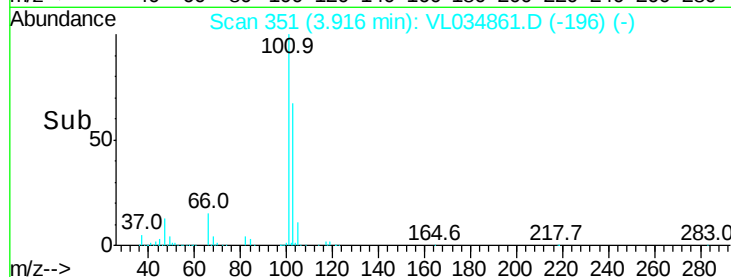
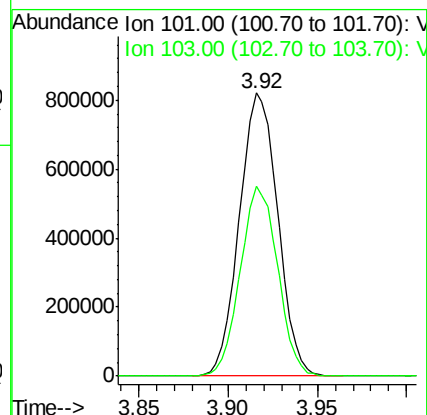
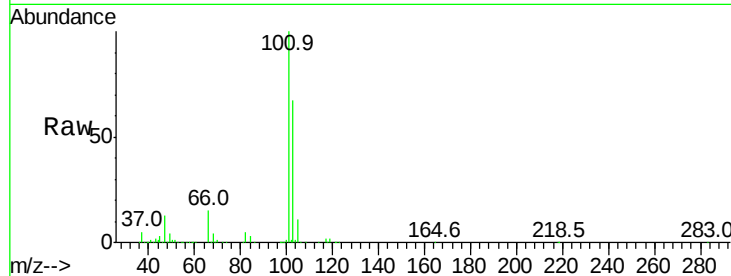




#11
 Trichlorofluoromethane
 Concen: 9.336 ppbv
 RT: 3.92 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VL034861.D
 Acq: 10 Mar 2020 8:58

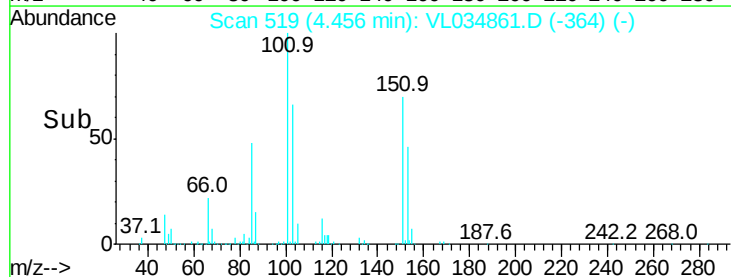
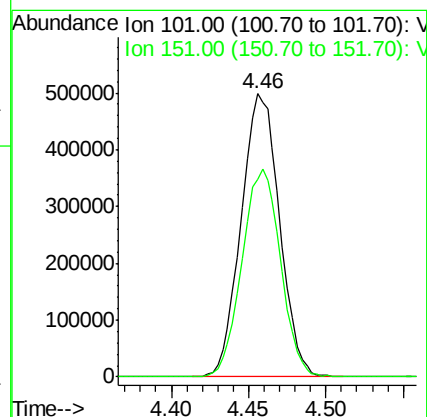
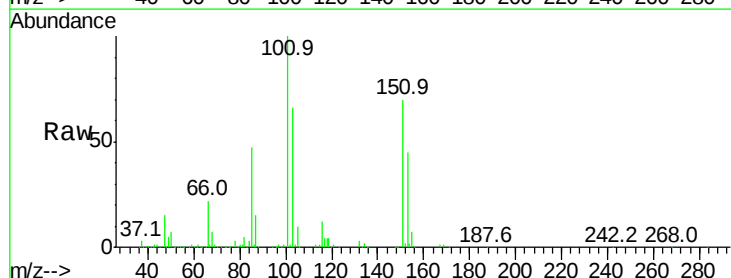
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

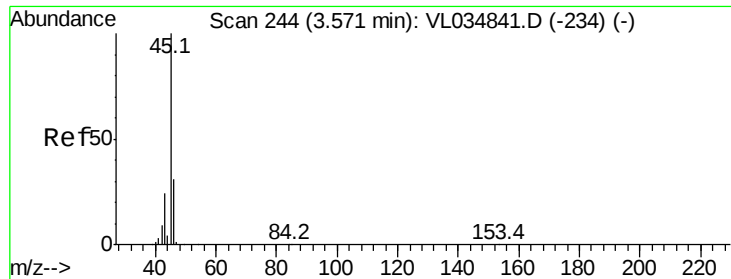
Tgt Ion:101 Resp: 1229208
 Ion Ratio Lower Upper
 101 100
 103 66.9 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.349 ppbv
 RT: 4.46 min Scan# 519
 Delta R.T. -0.00 min
 Lab File: VL034861.D
 Acq: 10 Mar 2020 8:58

Tgt Ion:101 Resp: 861471
 Ion Ratio Lower Upper
 101 100
 151 73.6 60.8 91.2





#13

Ethanol

Concen: 8.866 ppbv

RT: 3.57 min Scan# 243

Delta R.T. -0.00 min

Lab File: VL034861.D

Acq: 10 Mar 2020 8:58

Instrument :

MSVOA_L

ClientSampleId :

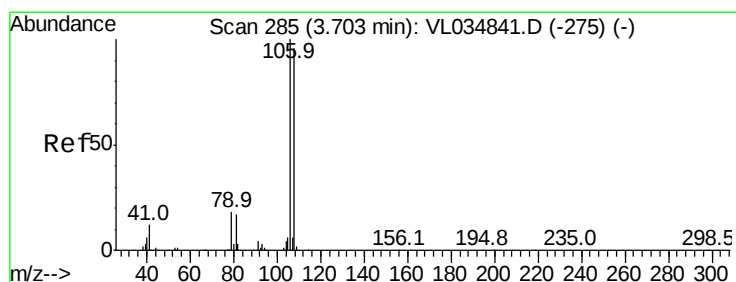
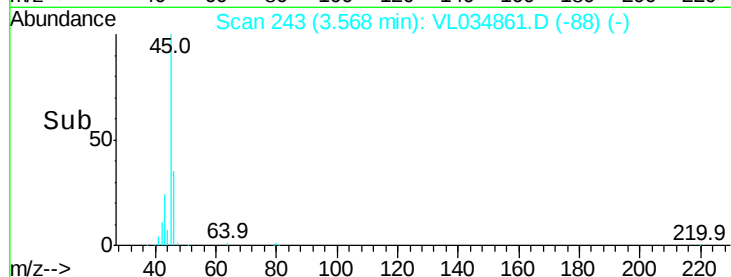
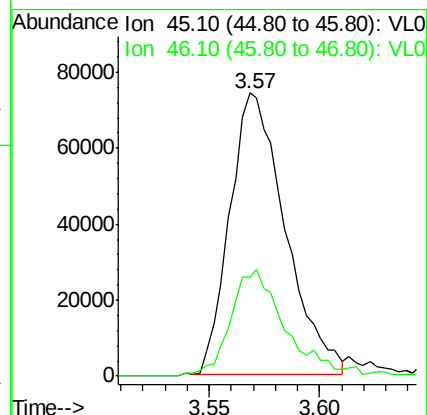
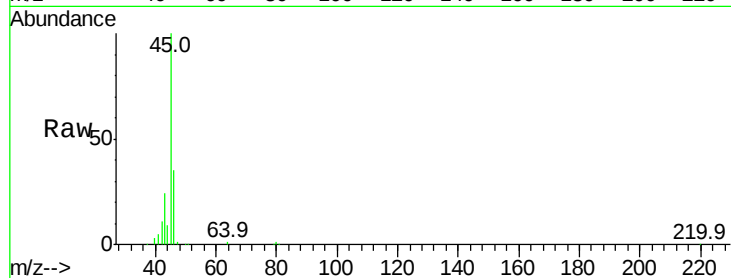
VSTDCCC010EC

Tgt Ion: 45 Resp: 129921

Ion Ratio Lower Upper

45 100

46 37.9 16.0 64.0



#14

Bromoethene

Concen: 9.566 ppbv

RT: 3.71 min Scan# 286

Delta R.T. 0.00 min

Lab File: VL034861.D

Acq: 10 Mar 2020 8:58

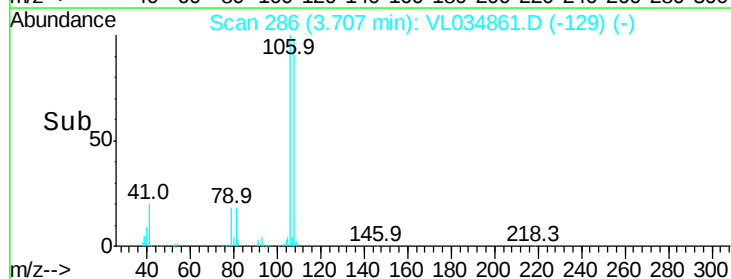
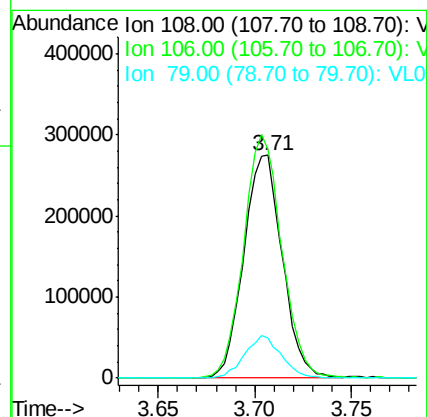
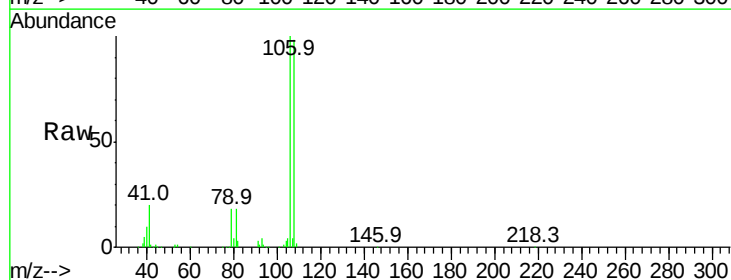
Tgt Ion: 108 Resp: 380673

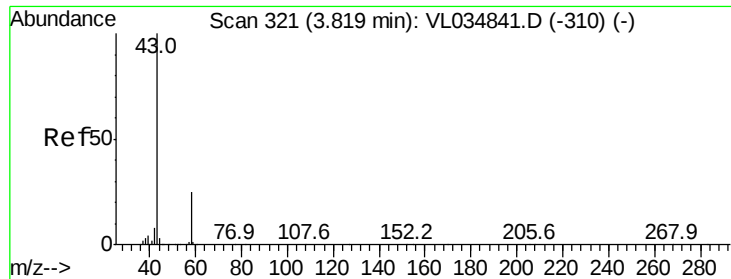
Ion Ratio Lower Upper

108 100

106 109.0 85.1 127.7

79 18.4 14.7 22.1





#15

Acetone

Concen: 9.330 ppbv

RT: 3.82 min Scan# 320

Delta R.T. -0.00 min

Lab File: VL034861.D

Acq: 10 Mar 2020 8:58

Instrument :

MSVOA_L

ClientSampleId :

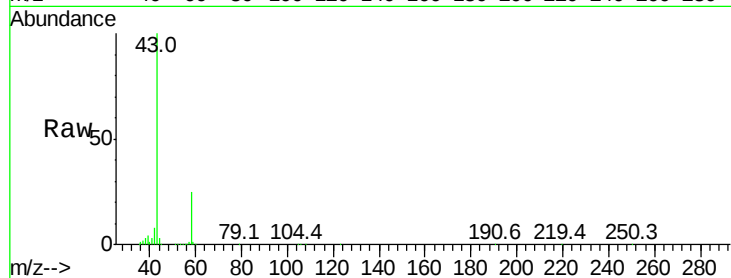
VSTDCCC010EC

Tgt Ion: 43 Resp: 1092821

Ion Ratio Lower Upper

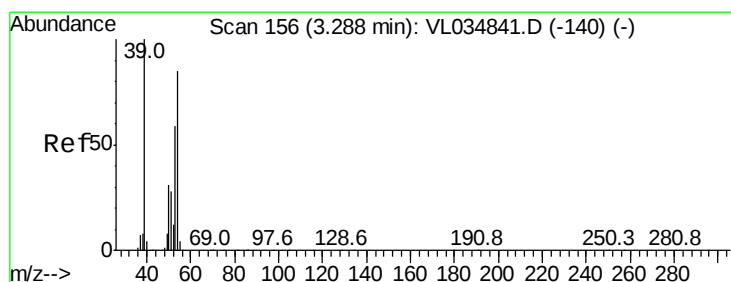
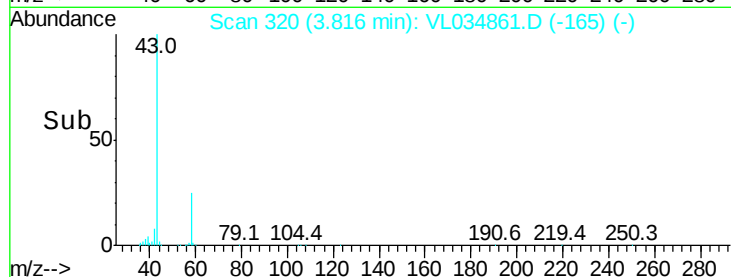
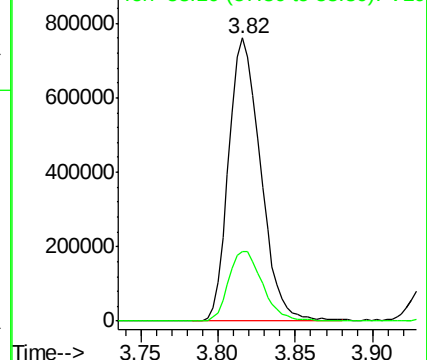
43 100

58 26.2 21.0 31.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.423 ppbv

RT: 3.29 min Scan# 156

Delta R.T. 0.00 min

Lab File: VL034861.D

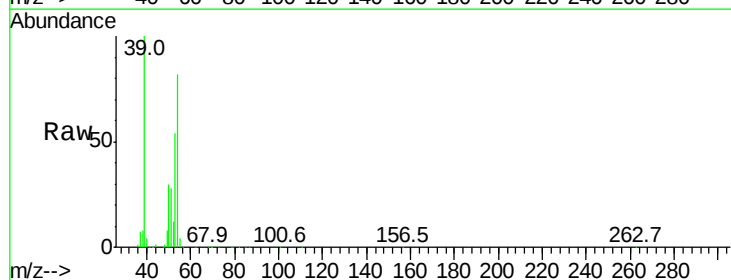
Acq: 10 Mar 2020 8:58

Tgt Ion: 39 Resp: 499119

Ion Ratio Lower Upper

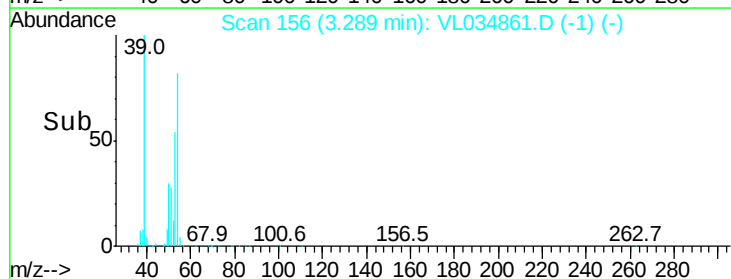
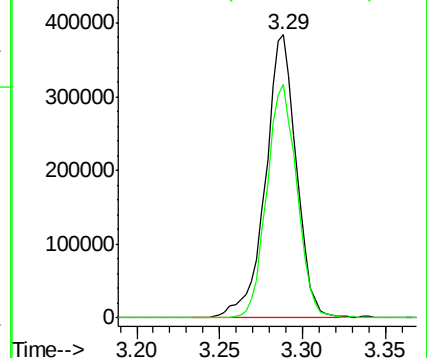
39 100

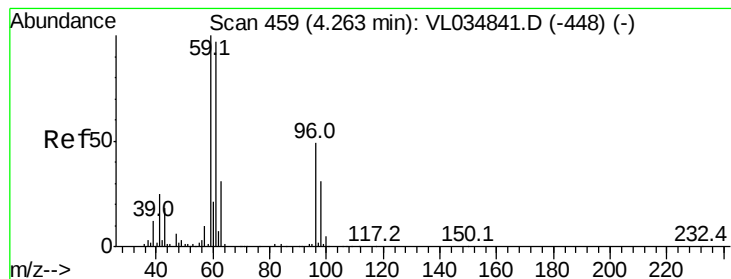
54 80.5 65.0 97.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 9.892 ppbv

RT: 4.27 min Scan# 460

Delta R.T. 0.00 min

Lab File: VL034861.D

Acq: 10 Mar 2020 8:58

Instrument :

MSVOA_L

ClientSampleId :

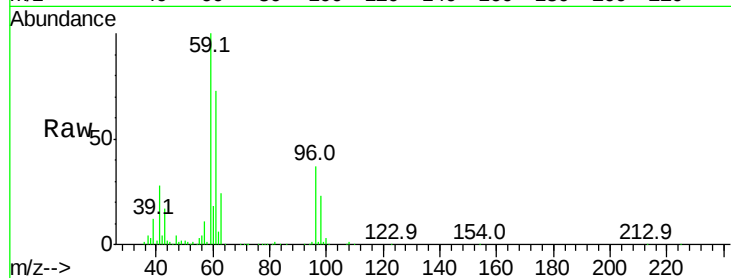
VSTDCCC010EC

Tgt Ion: 59 Resp: 1116305

Ion Ratio Lower Upper

59 100

57 10.6 8.3 12.5



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.27

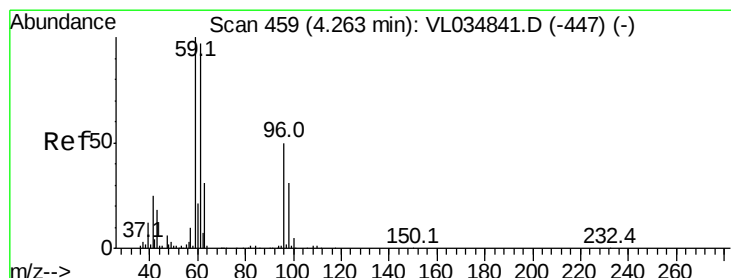
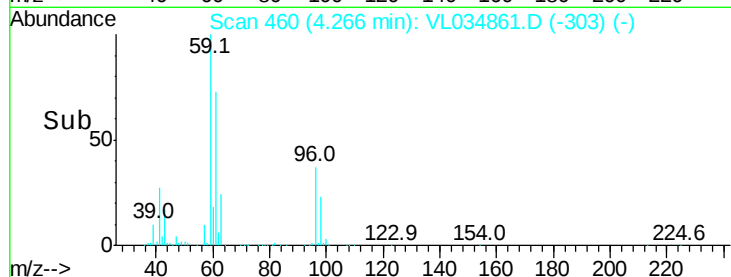
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 9.406 ppbv

RT: 4.26 min Scan# 458

Delta R.T. -0.00 min

Lab File: VL034861.D

Acq: 10 Mar 2020 8:58

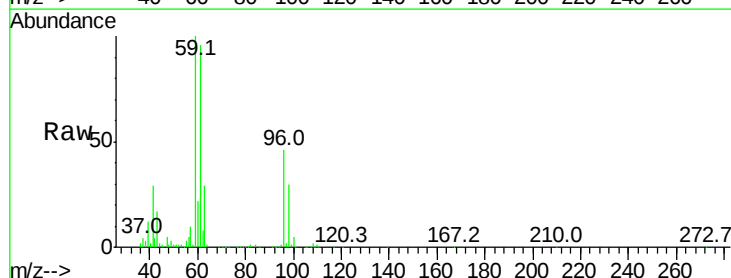
Tgt Ion: 96 Resp: 383833

Ion Ratio Lower Upper

96 100

61 205.7 157.3 235.9

98 64.1 50.2 75.4



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

4.26

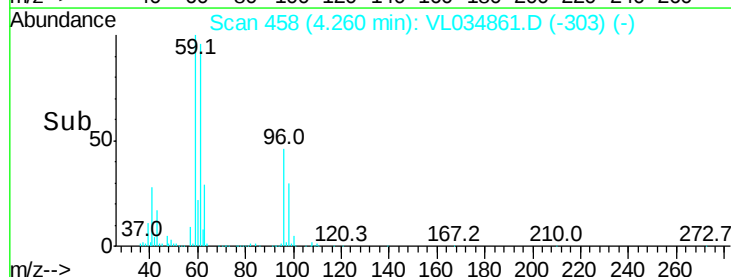
600000

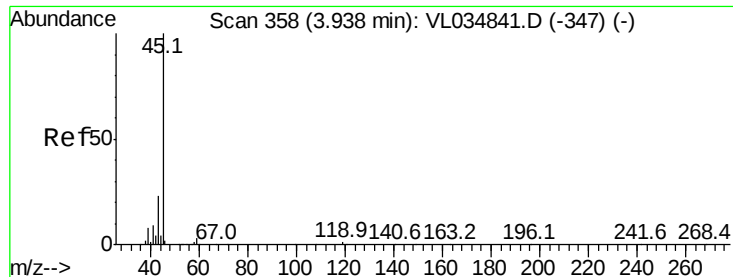
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 10.329 ppbv

RT: 3.94 min Scan# 358

Delta R.T. 0.00 min

Lab File: VL034861.D

Acq: 10 Mar 2020 8:58

Instrument :

MSVOA_L

ClientSampleId :

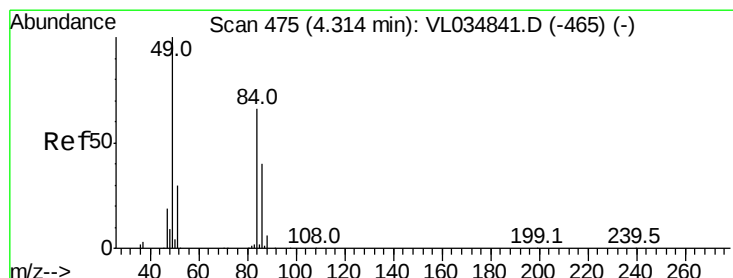
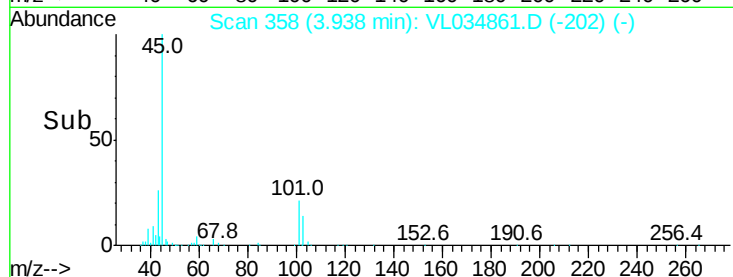
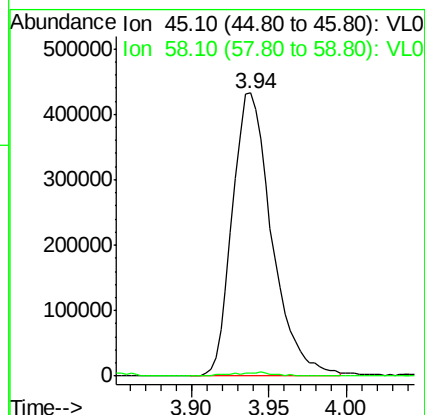
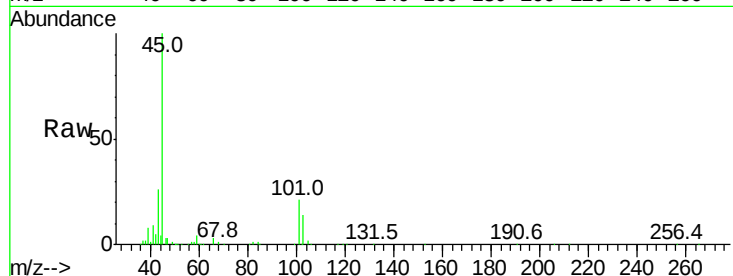
VSTDCCC010EC

Tgt Ion: 45 Resp: 764006

Ion Ratio Lower Upper

45 100

58 1.8 30.5 45.7#



#20

Methylene Chloride

Concen: 9.107 ppbv

RT: 4.32 min Scan# 476

Delta R.T. 0.00 min

Lab File: VL034861.D

Acq: 10 Mar 2020 8:58

Tgt Ion: 84 Resp: 337250

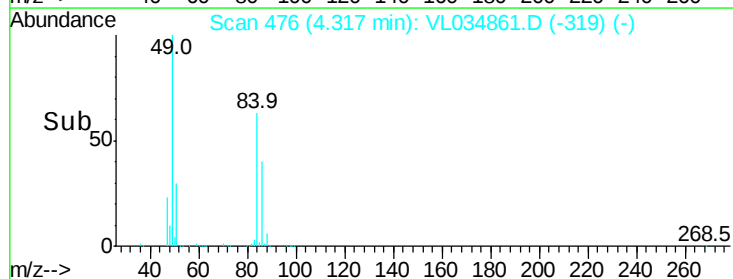
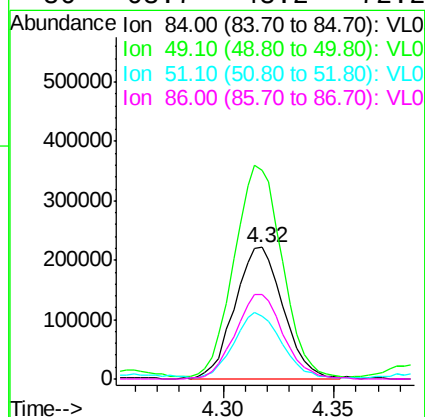
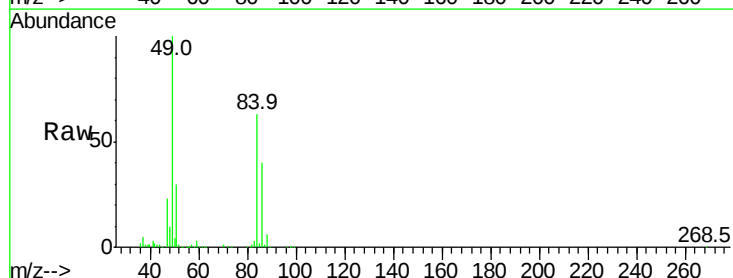
Ion Ratio Lower Upper

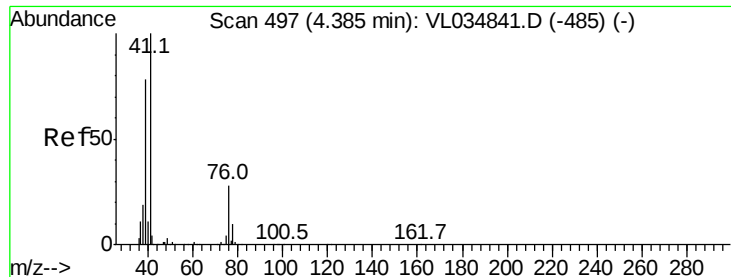
84 100

49 157.5 121.5 182.3

51 47.4 36.6 55.0

86 63.7 48.2 72.2





#21

Allyl Chloride

Concen: 9.594 ppbv

RT: 4.38 min Scan# 497

Delta R.T. 0.00 min

Lab File: VL034861.D

Acq: 10 Mar 2020 8:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

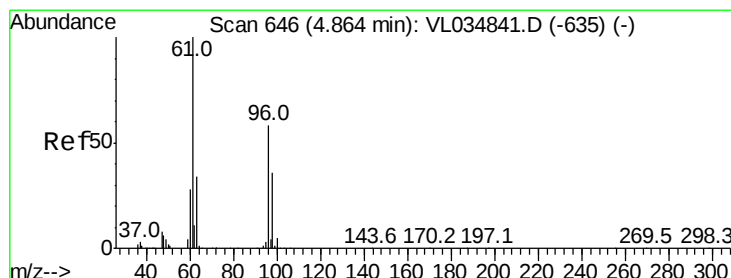
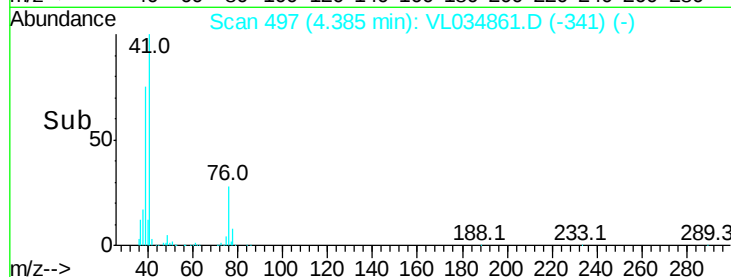
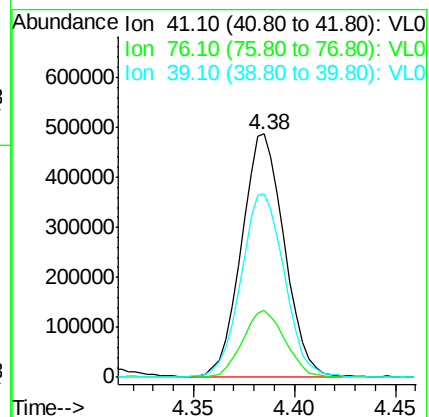
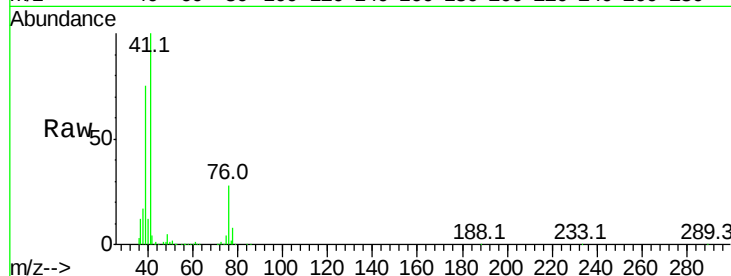
Tgt Ion: 41 Resp: 721721

Ion Ratio Lower Upper

41 100

76 27.7 22.2 33.2

39 76.9 62.6 93.8



#22

trans-1,2-Dichloroethene

Concen: 9.535 ppbv

RT: 4.86 min Scan# 645

Delta R.T. -0.00 min

Lab File: VL034861.D

Acq: 10 Mar 2020 8:58

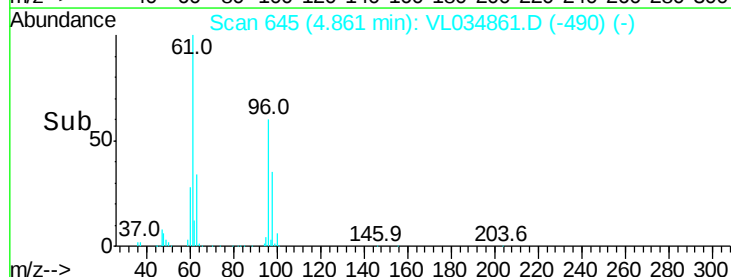
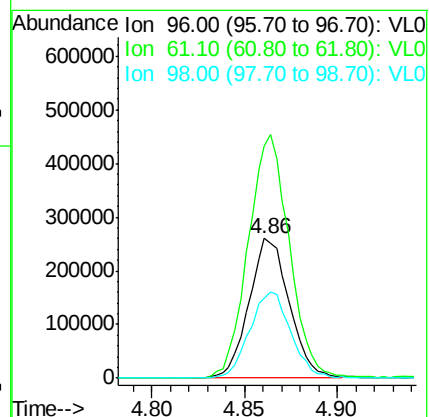
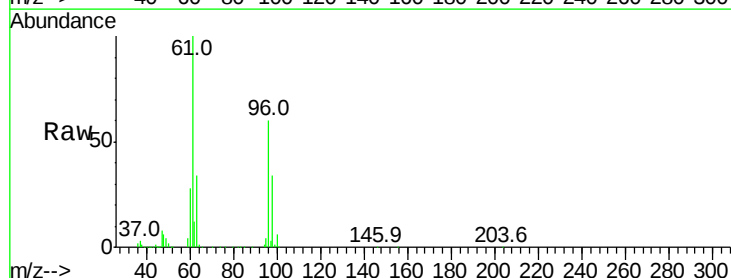
Tgt Ion: 96 Resp: 394740

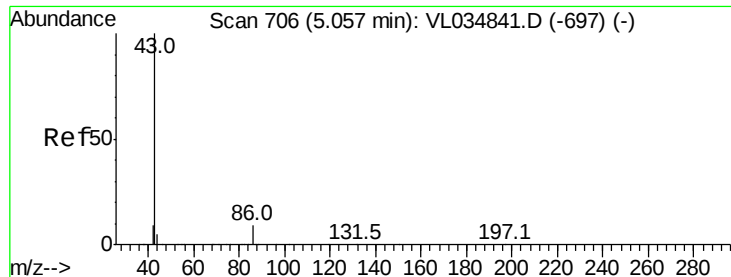
Ion Ratio Lower Upper

96 100

61 166.4 139.0 208.6

98 57.3 50.3 75.5





#23

Vinyl Acetate

Concen: 9.701 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.00 min

Lab File: VL034861.D

Acq: 10 Mar 2020 8:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1678518

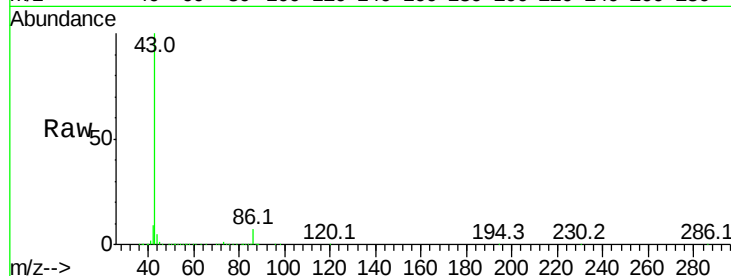
Ion Ratio Lower Upper

43 100

86 7.5 6.3 9.5

42 9.4 7.8 11.8

44 5.0 4.0 6.0

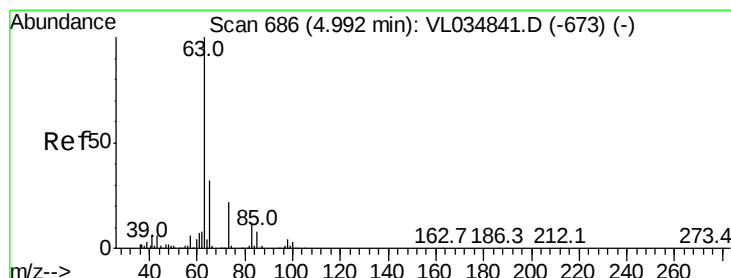
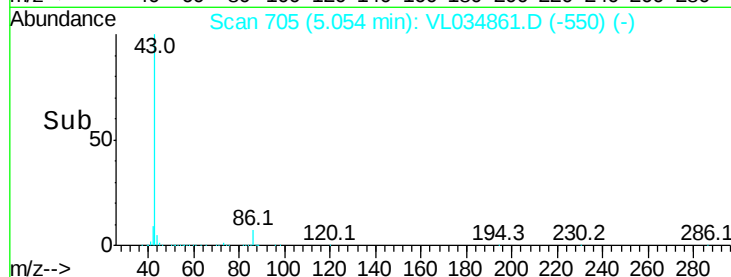
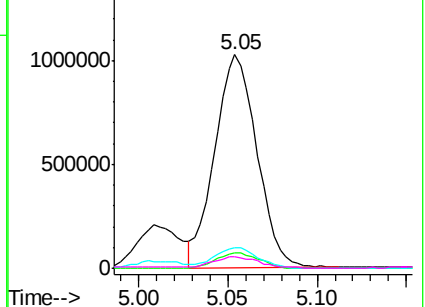


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.303 ppbv

RT: 4.99 min Scan# 686

Delta R.T. 0.00 min

Lab File: VL034861.D

Acq: 10 Mar 2020 8:58

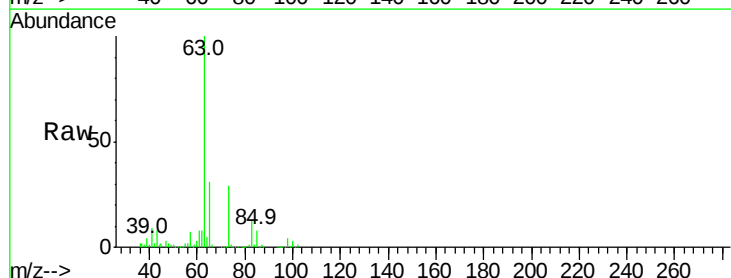
Tgt Ion: 63 Resp: 1079100

Ion Ratio Lower Upper

63 100

98 3.7 2.0 5.8

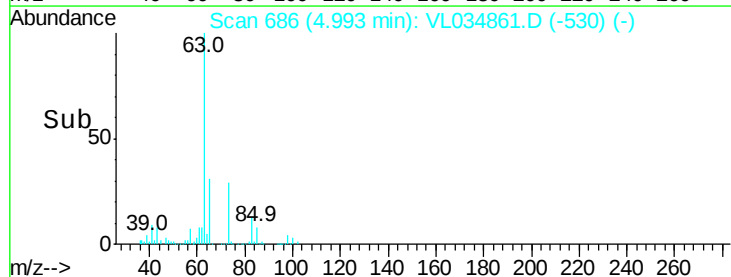
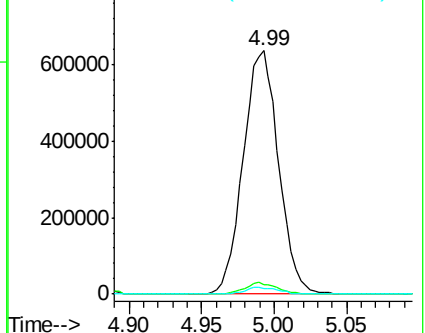
100 2.5 1.4 4.0

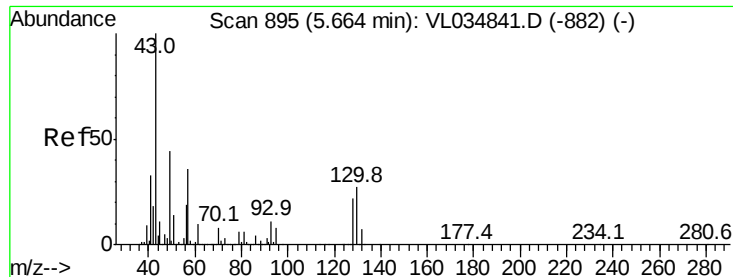


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



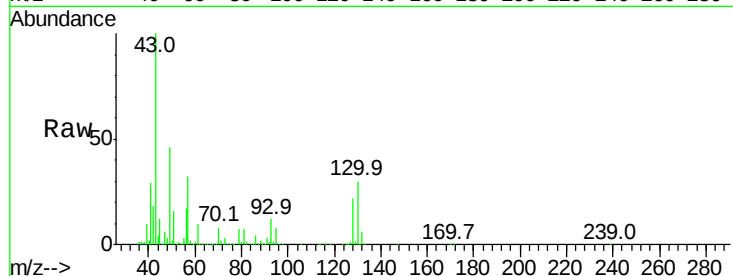


#25
Ethyl Acetate
Concen: 9.233 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL034861.D
Acq: 10 Mar 2020 8:58

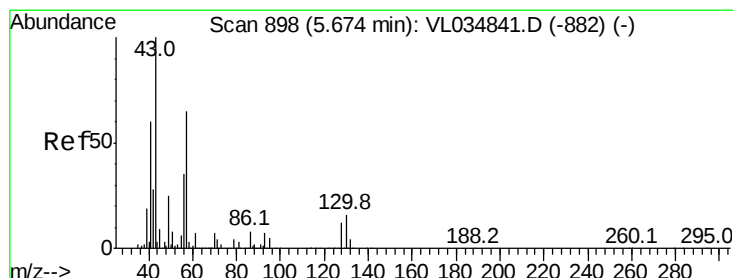
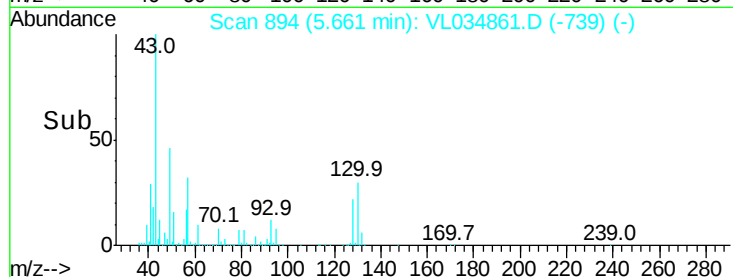
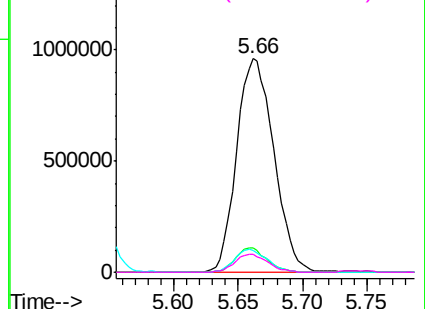
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 1926722

Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.2	12.2
61	9.6	7.8	11.6
70	7.5	5.8	8.8



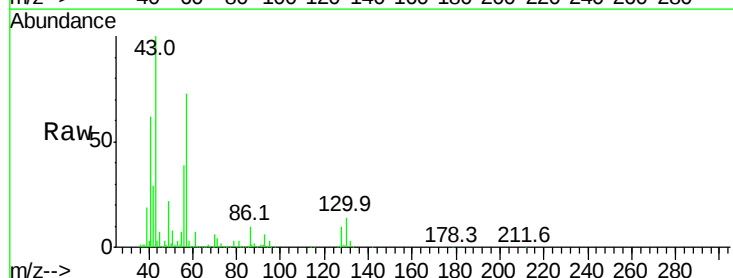
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



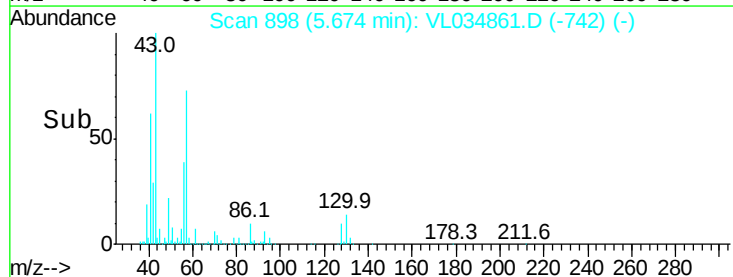
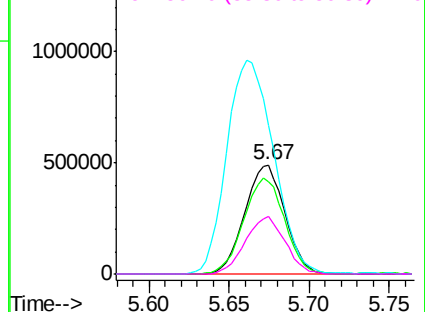
#26
Hexane
Concen: 9.353 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL034861.D
Acq: 10 Mar 2020 8:58

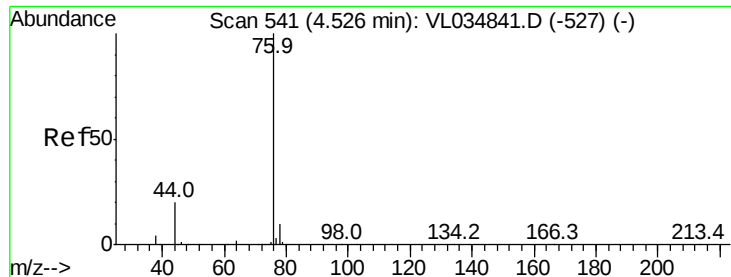
Tgt Ion: 57 Resp: 840473

Ion	Ratio	Lower	Upper
57	100		
41	89.8	72.6	109.0
43	229.8	183.8	275.6
56	52.4	41.9	62.9



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: 9.922 ppbv

RT: 4.52 min Scan# 540

Delta R.T. -0.00 min

Lab File: VL034861.D

Acq: 10 Mar 2020 8:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

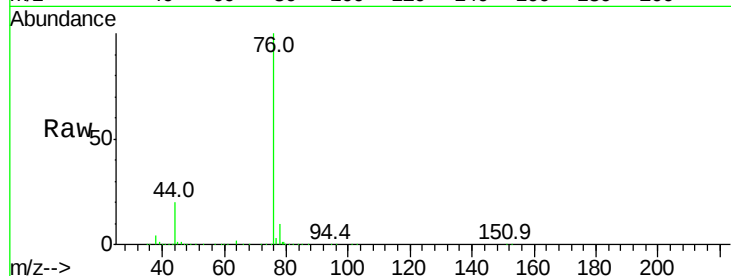
Tgt Ion: 76 Resp: 1011779

Ion Ratio Lower Upper

76 100

44 19.6 16.2 24.2

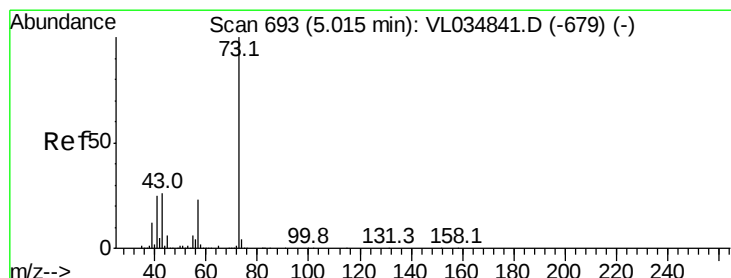
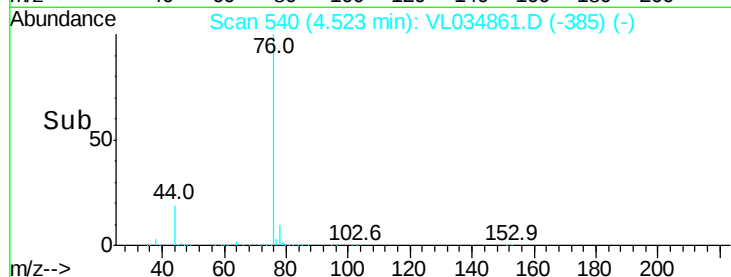
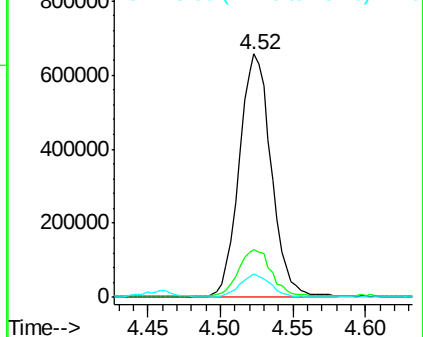
78 9.2 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.144 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL034861.D

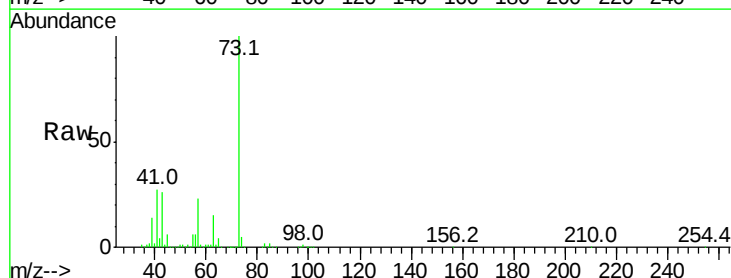
Acq: 10 Mar 2020 8:58

Tgt Ion: 73 Resp: 1367096

Ion Ratio Lower Upper

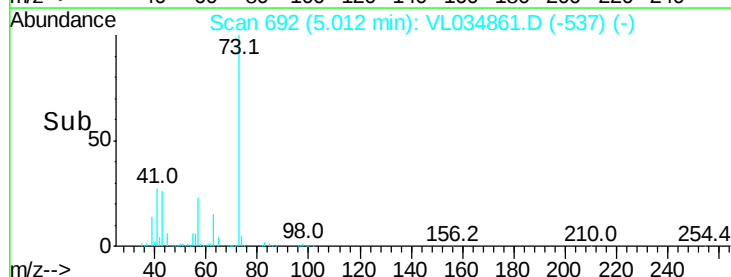
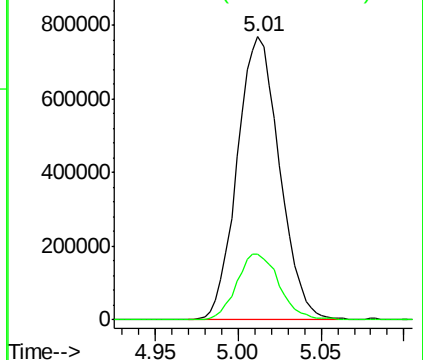
73 100

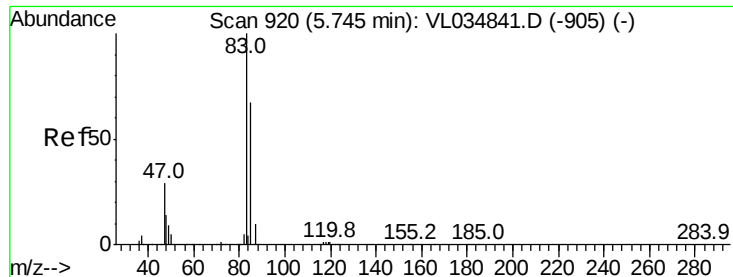
57 23.5 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.385 ppbv

RT: 5.74 min Scan# 919

Delta R.T. -0.00 min

Lab File: VL034861.D

Acq: 10 Mar 2020 8:58

Instrument :

MSVOA_L

ClientSampleId :

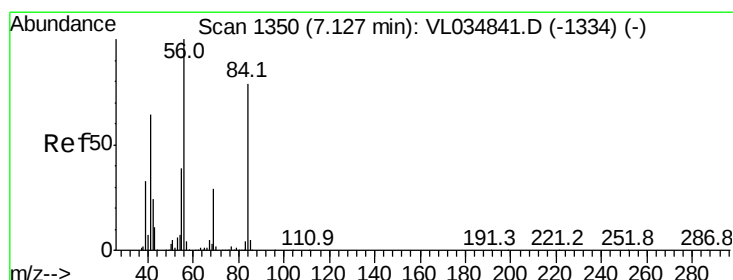
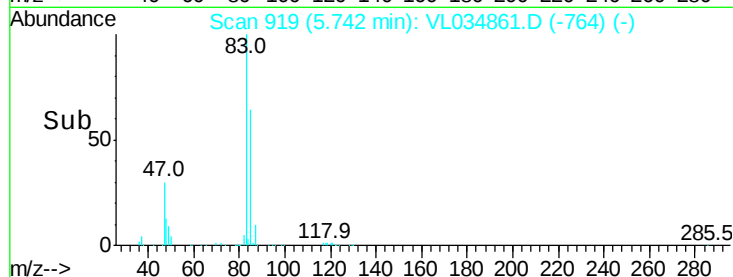
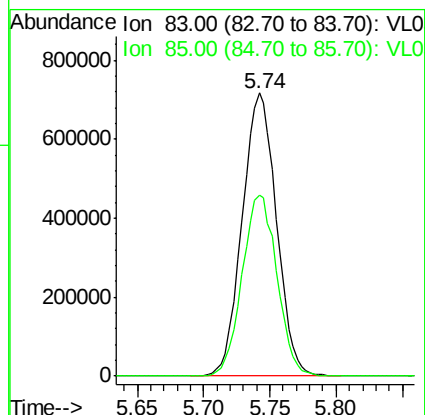
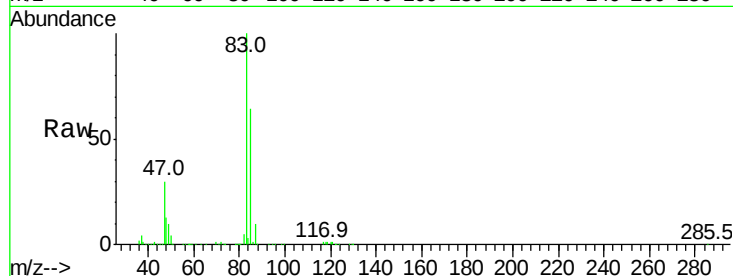
VSTDCCC010EC

Tgt Ion: 83 Resp: 1286722

Ion Ratio Lower Upper

83 100

85 64.0 53.8 80.6



#30

Cyclohexane

Concen: 9.532 ppbv

RT: 7.13 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VL034861.D

Acq: 10 Mar 2020 8:58

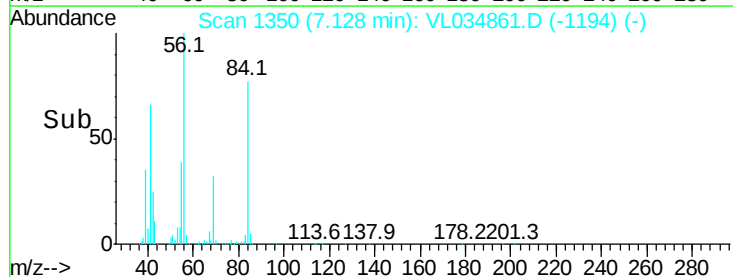
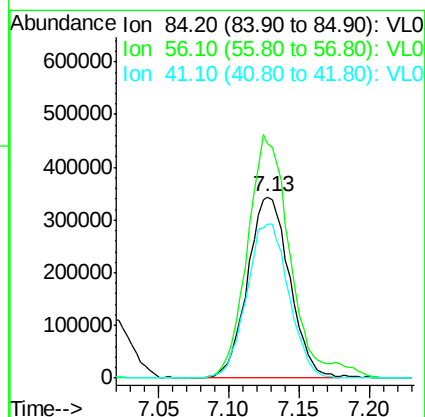
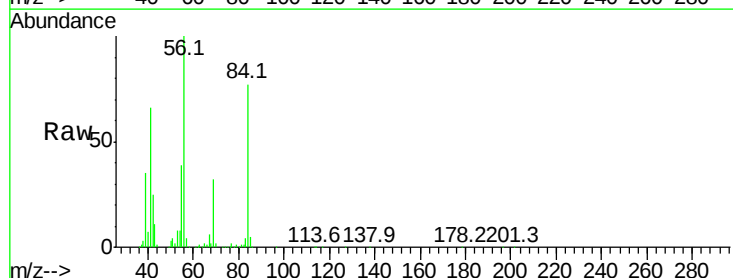
Tgt Ion: 84 Resp: 714663

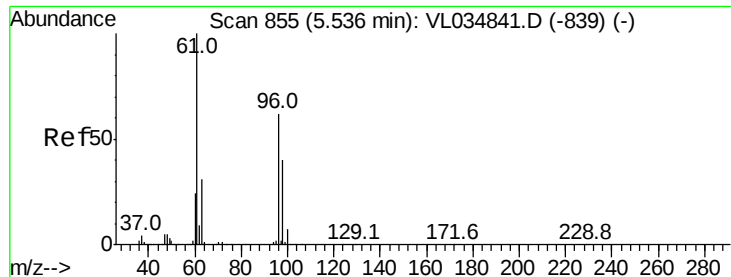
Ion Ratio Lower Upper

84 100

56 138.1 110.5 165.7

41 85.9 68.2 102.4





#31

cis-1,2-Dichloroethene

Concen: 9.427 ppbv

RT: 5.53 min Scan# 854

Delta R.T. -0.00 min

Lab File: VL034861.D

Acq: 10 Mar 2020 8:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

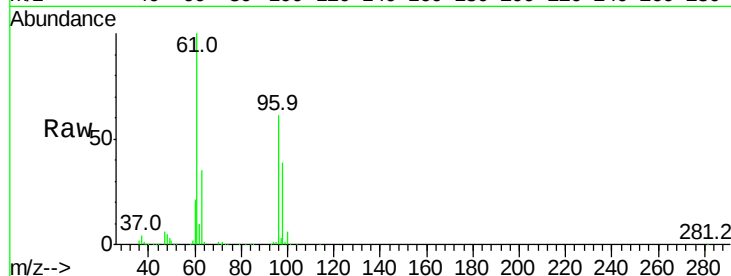
Tgt Ion: 61 Resp: 866326

Ion Ratio Lower Upper

61 100

96 60.8 49.8 74.8

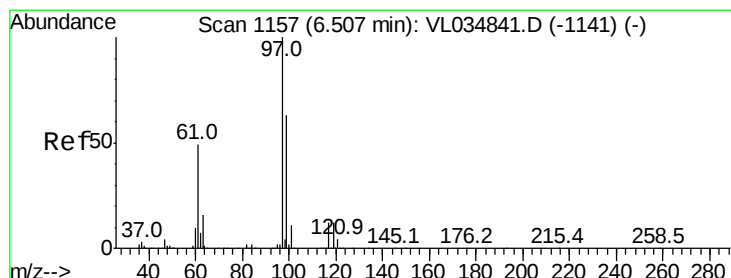
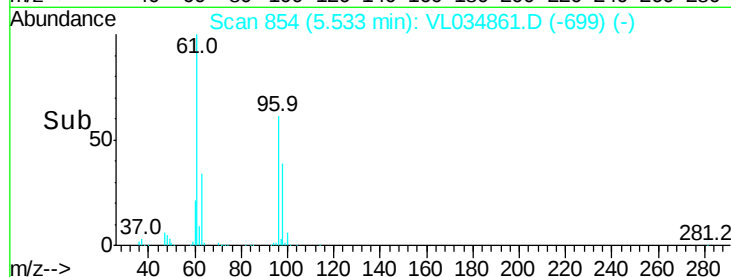
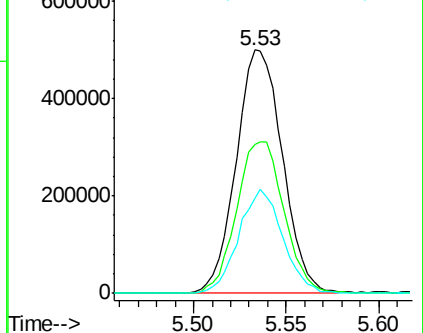
98 39.2 32.2 48.4



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 9.497 ppbv

RT: 6.51 min Scan# 1157

Delta R.T. 0.00 min

Lab File: VL034861.D

Acq: 10 Mar 2020 8:58

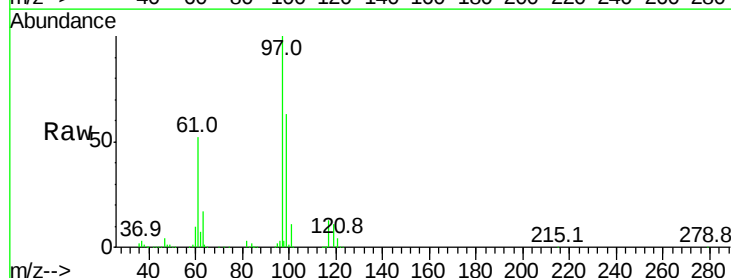
Tgt Ion: 97 Resp: 1268741

Ion Ratio Lower Upper

97 100

99 64.3 51.1 76.7

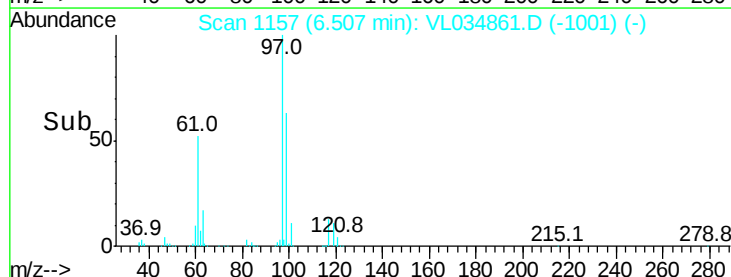
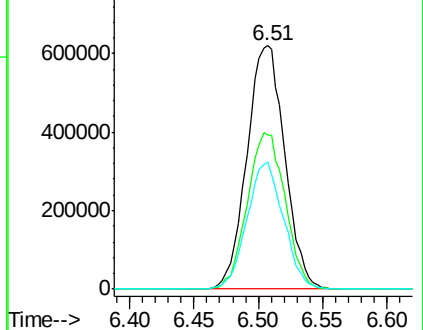
61 50.5 39.7 59.5

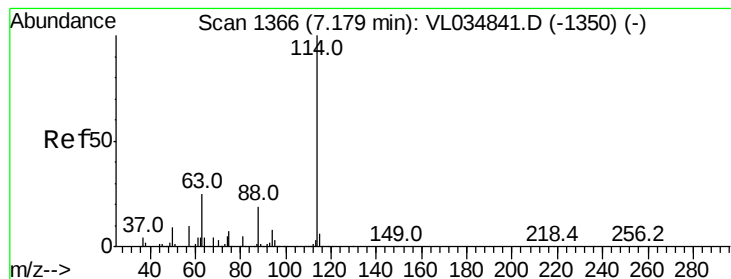


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 7.18 min Scan# 1366

Delta R.T. 0.00 min

Lab File: VL034861.D

Acq: 10 Mar 2020 8:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

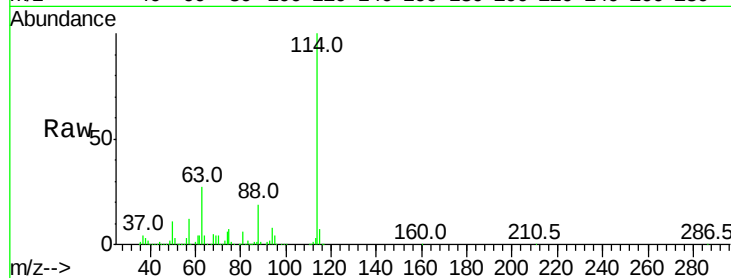
Tgt Ion:114 Resp: 2041870

Ion Ratio Lower Upper

114 100

63 26.8 20.6 31.0

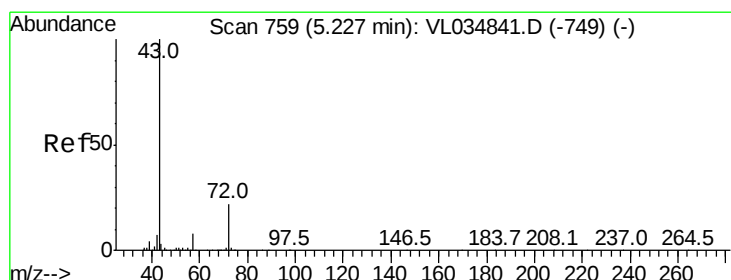
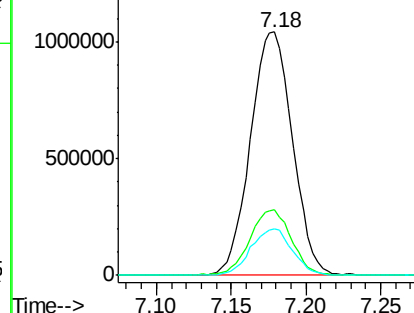
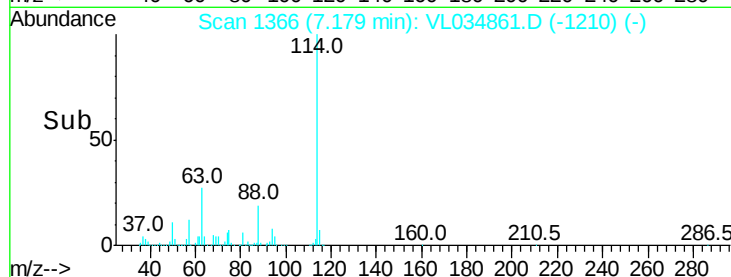
88 18.7 15.0 22.6



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.522 ppbv

RT: 5.22 min Scan# 758

Delta R.T. -0.00 min

Lab File: VL034861.D

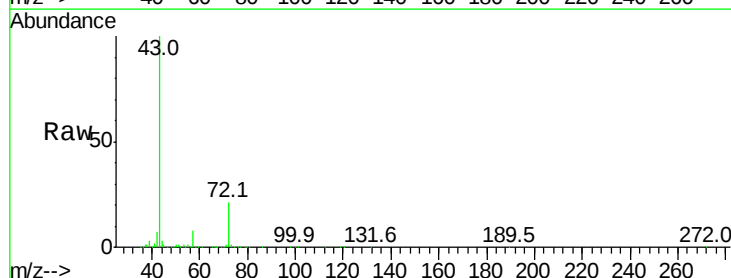
Acq: 10 Mar 2020 8:58

Tgt Ion: 43 Resp: 1292036

Ion Ratio Lower Upper

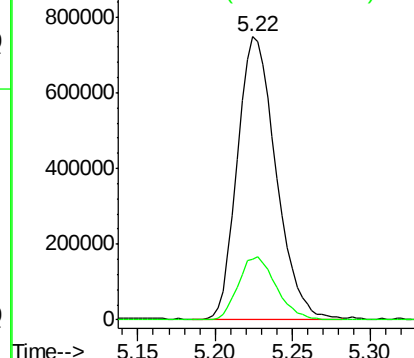
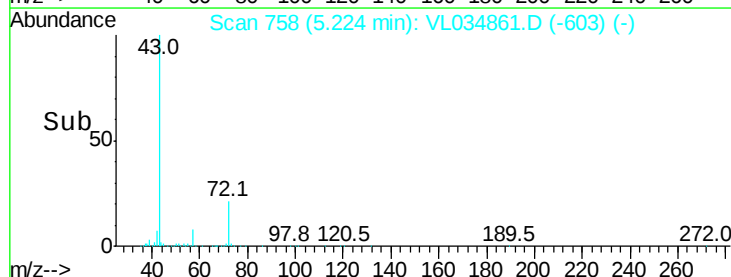
43 100

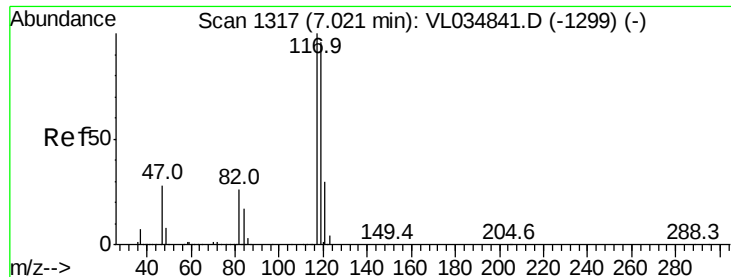
72 22.1 17.6 26.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.349 ppbv

RT: 7.02 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VL034861.D

Acq: 10 Mar 2020 8:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

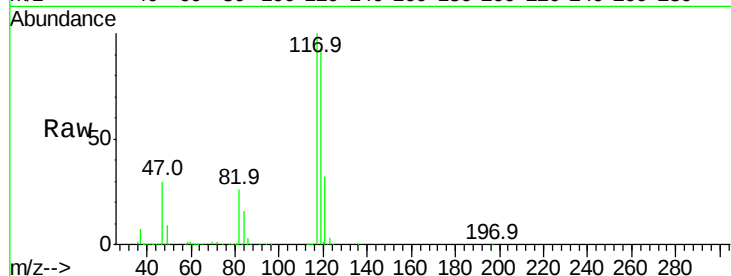
Tgt Ion:117 Resp: 1314327

Ion Ratio Lower Upper

117 100

119 93.2 77.0 115.4

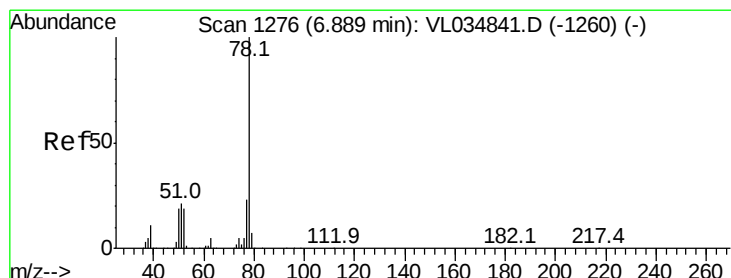
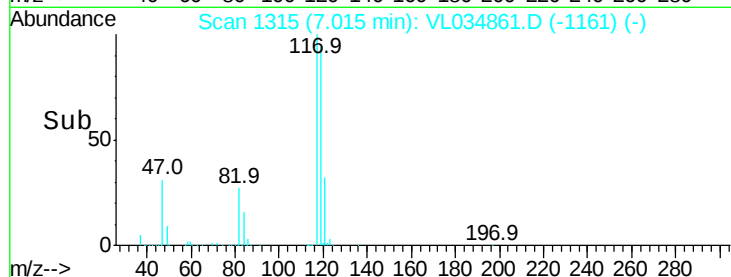
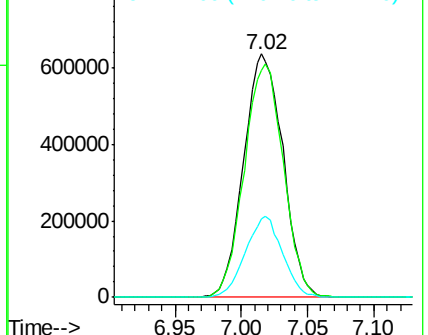
121 32.0 24.0 36.0



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: 9.420 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VL034861.D

Acq: 10 Mar 2020 8:58

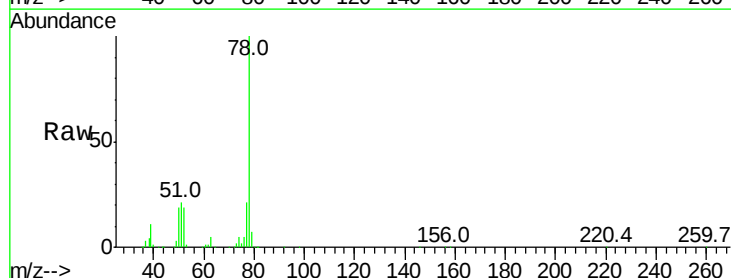
Tgt Ion: 78 Resp: 1714452

Ion Ratio Lower Upper

78 100

77 21.0 18.2 27.2

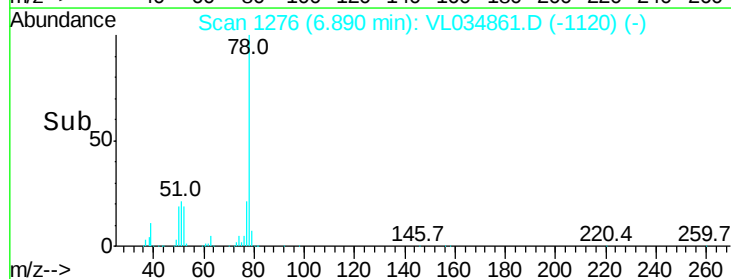
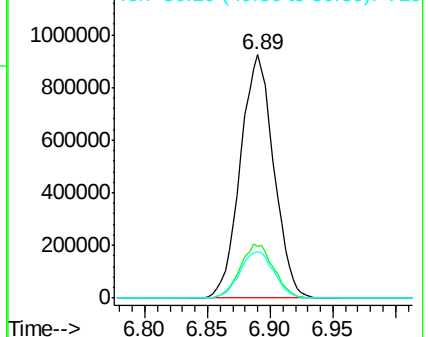
50 19.3 15.2 22.8

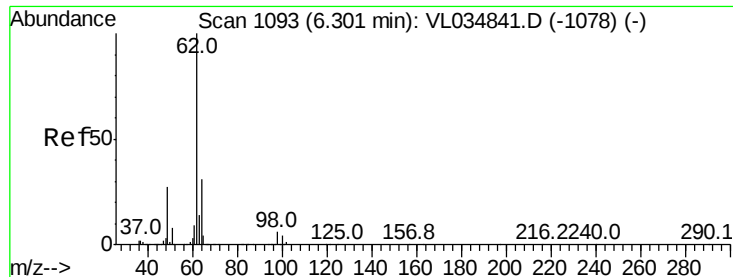


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

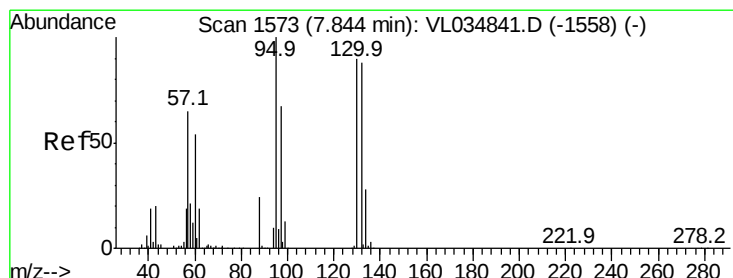
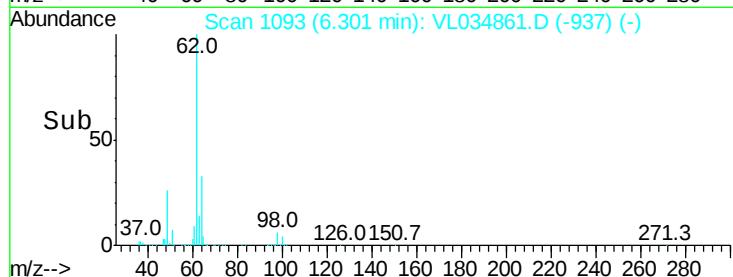
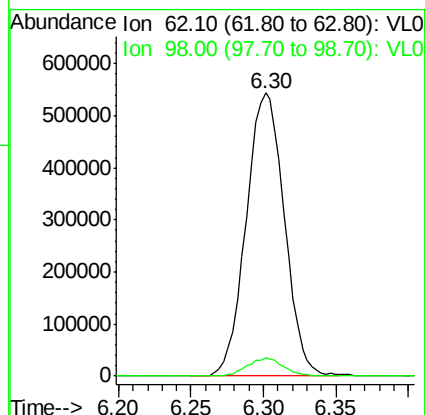
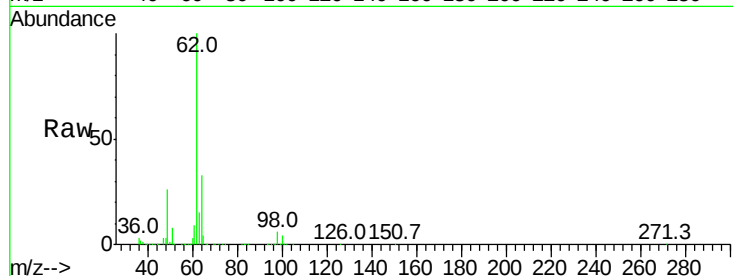




#37
 1,2-Dichloroethane
 Concen: 9.736 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. 0.00 min
 Lab File: VL034861.D
 Acq: 10 Mar 2020 8:58

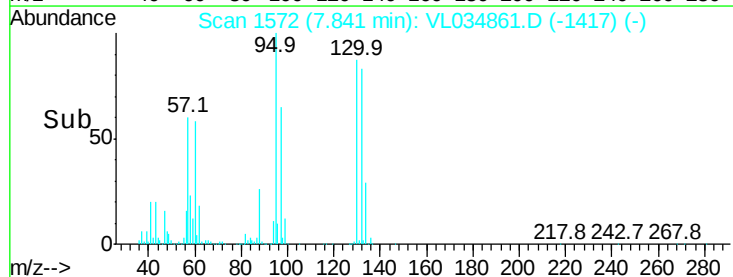
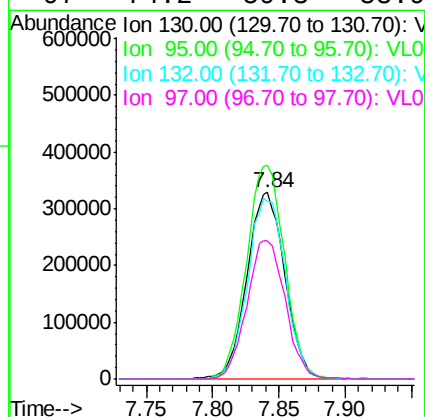
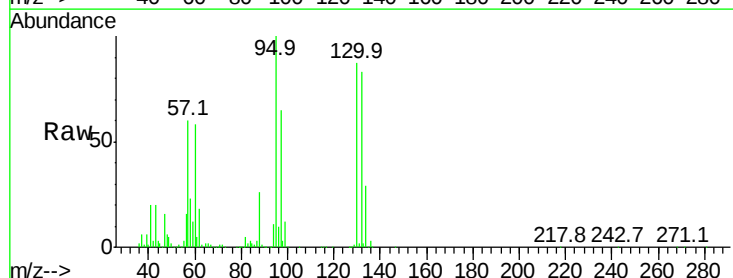
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

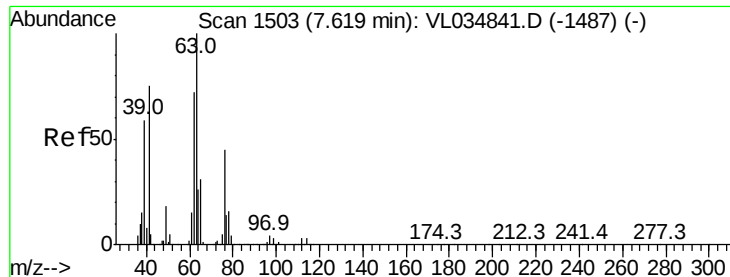
Tgt Ion: 62 Resp: 999119
 Ion Ratio Lower Upper
 62 100
 98 6.1 5.2 7.8



#38
 Trichloroethene
 Concen: 9.391 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VL034861.D
 Acq: 10 Mar 2020 8:58

Tgt Ion: 130 Resp: 649100
 Ion Ratio Lower Upper
 130 100
 95 114.5 88.5 132.7
 132 95.5 78.0 117.0
 97 74.2 59.3 88.9





#39

1,2-Dichloropropane

Concen: 9.305 ppbv

RT: 7.62 min Scan# 1502

Delta R.T. -0.00 min

Lab File: VL034861.D

Acq: 10 Mar 2020 8:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

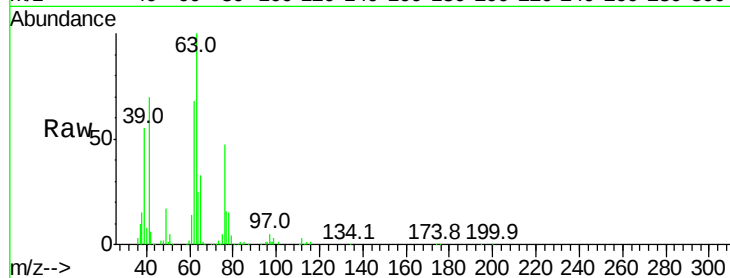
Tgt Ion: 63 Resp: 671001

Ion Ratio Lower Upper

63 100

41 70.4 59.8 89.8

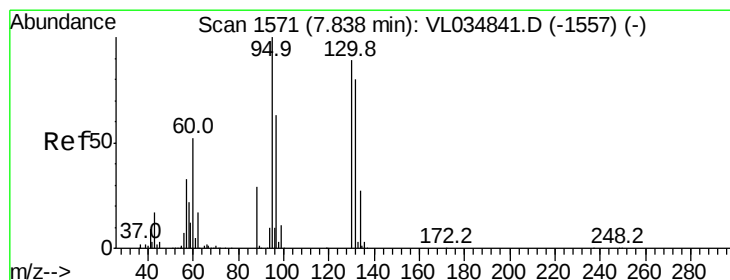
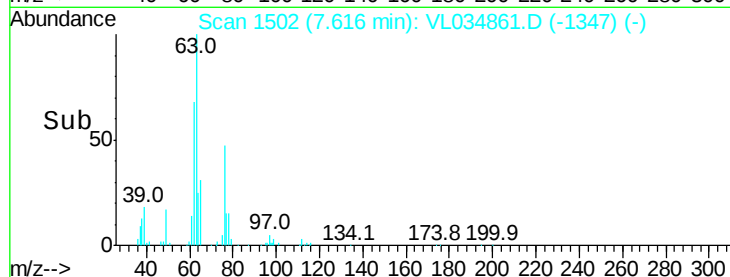
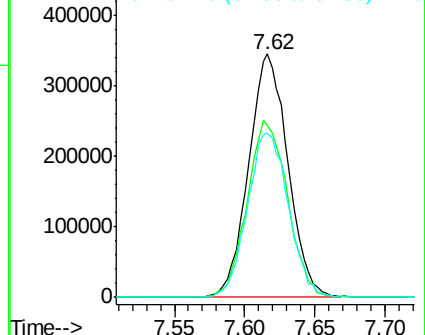
62 67.6 57.6 86.4



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 9.187 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VL034861.D

Acq: 10 Mar 2020 8:58

Tgt Ion: 88 Resp: 250186

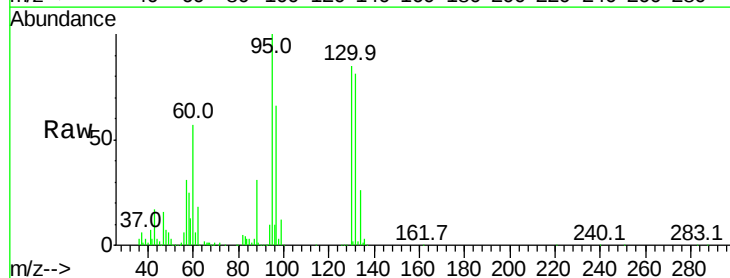
Ion Ratio Lower Upper

88 100

58 134.3 103.9 155.9

43 0.0 0.0 0.0

57 0.0 0.0 0.0

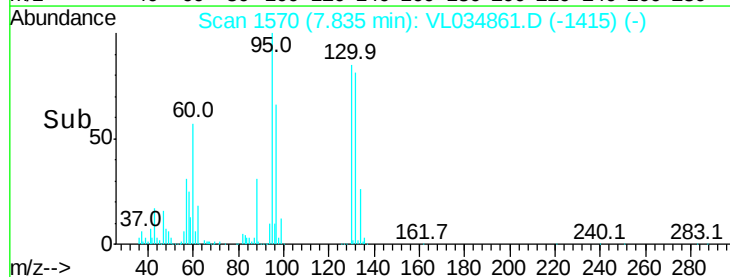
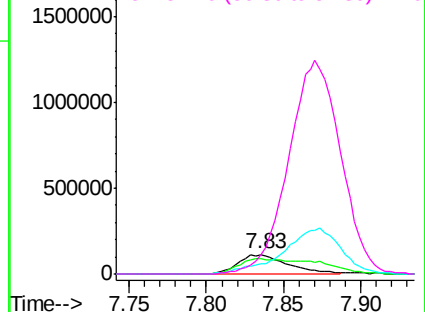


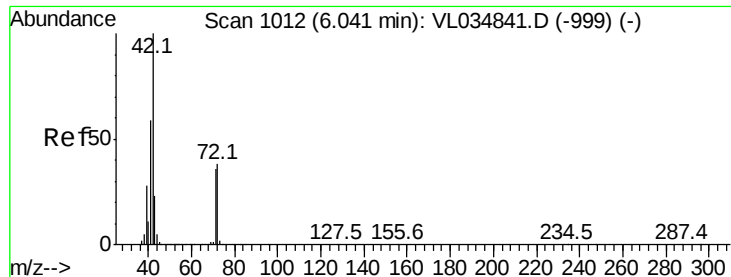
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 9.910 ppbv

RT: 6.04 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VL034861.D

Acq: 10 Mar 2020 8:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

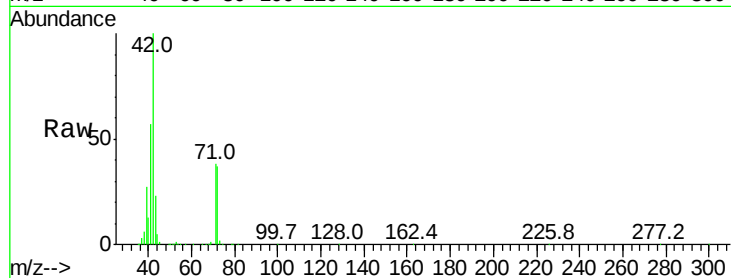
Tgt Ion: 42 Resp: 727634

Ion Ratio Lower Upper

42 100

72 37.8 30.8 46.2

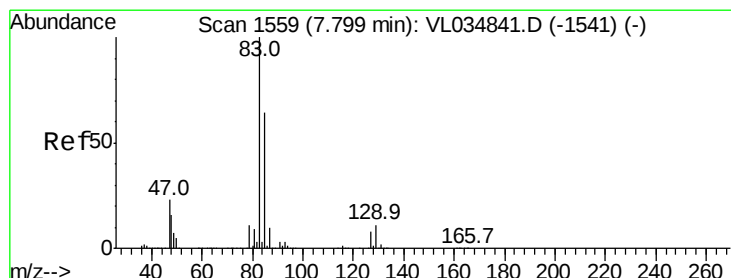
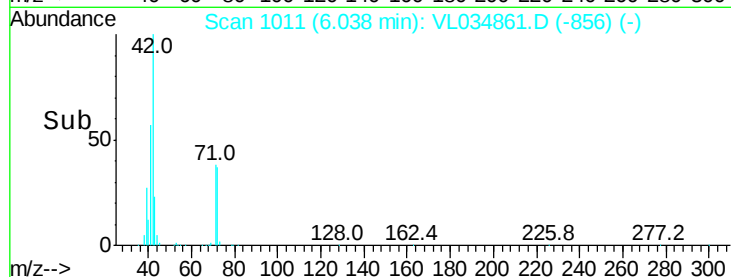
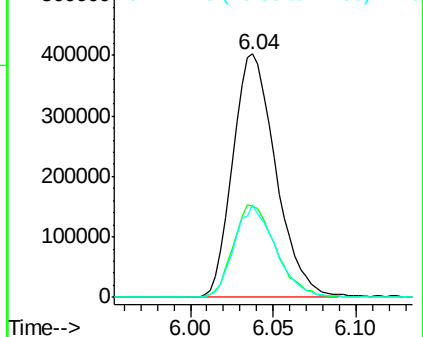
71 36.7 30.1 45.1



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: 9.654 ppbv

RT: 7.80 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VL034861.D

Acq: 10 Mar 2020 8:58

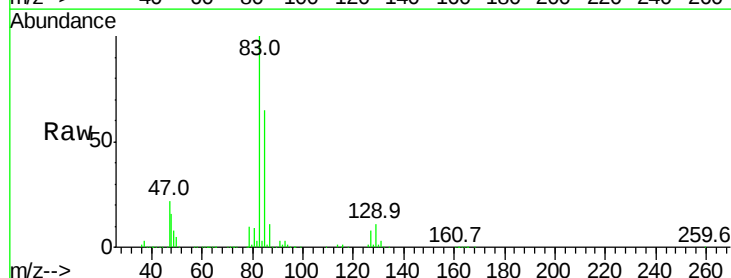
Tgt Ion: 83 Resp: 1350265

Ion Ratio Lower Upper

83 100

85 65.0 51.4 77.2

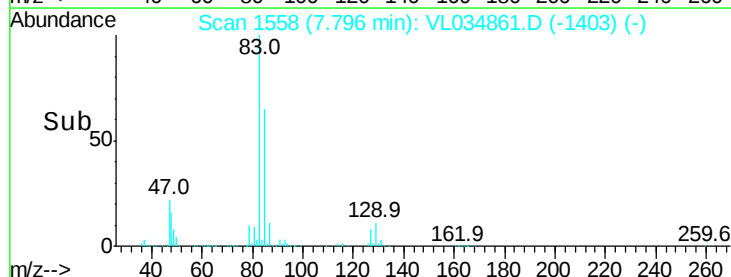
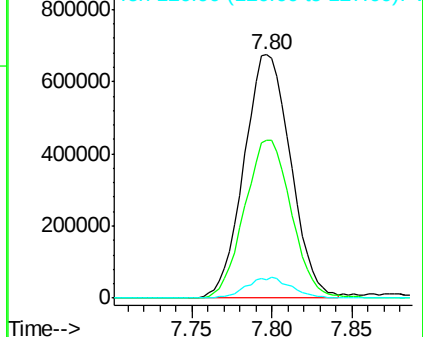
127 7.7 6.2 9.4

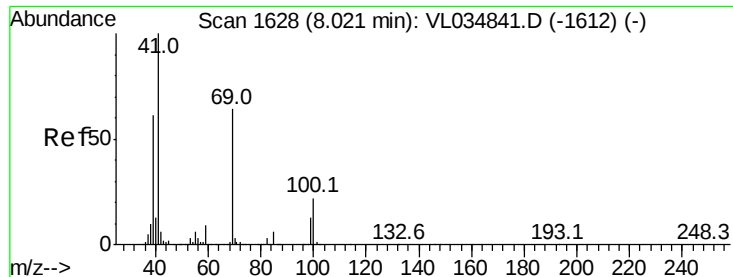


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

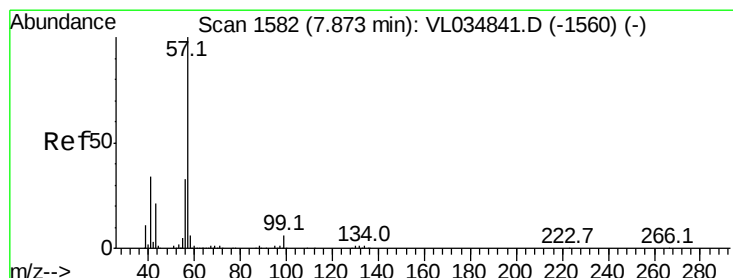
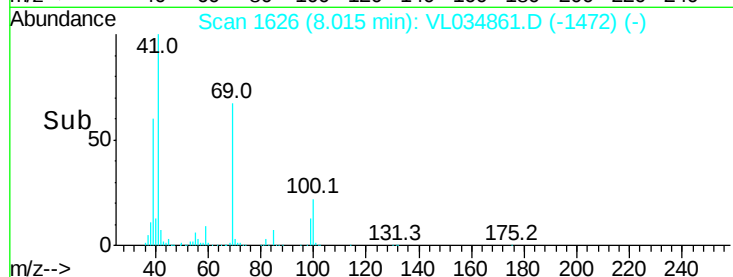
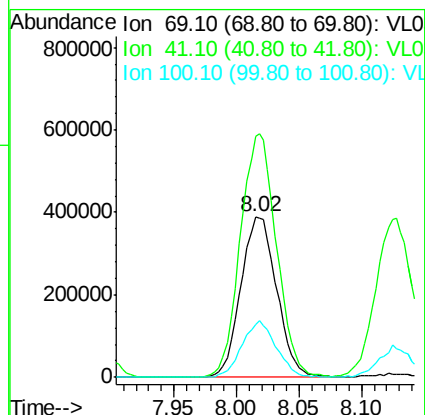
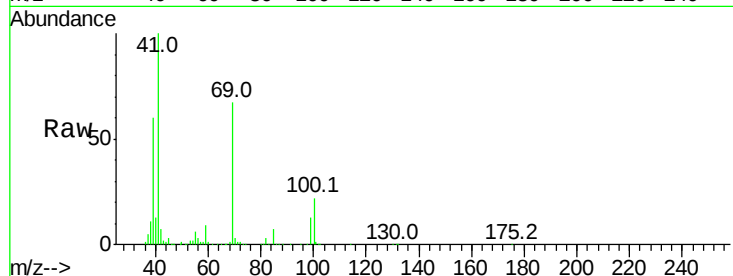




#43
Methyl Methacrylate
Concen: 10.106 ppbv
RT: 8.02 min Scan# 1626
Delta R.T. -0.01 min
Lab File: VL034861.D
Acq: 10 Mar 2020 8:58

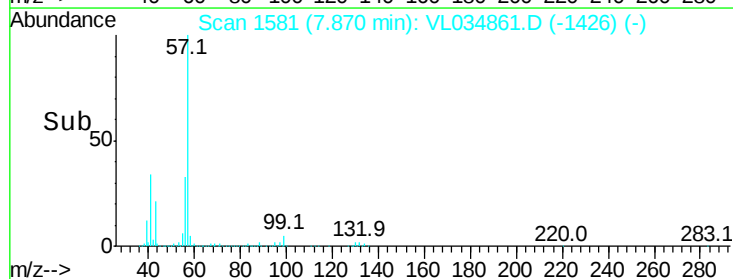
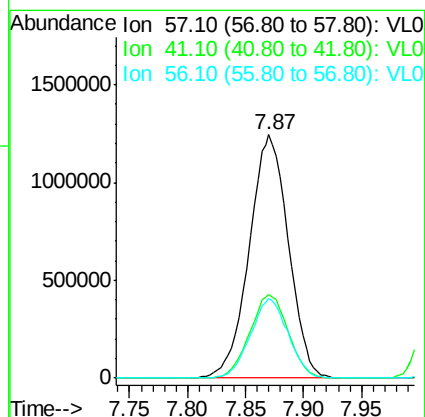
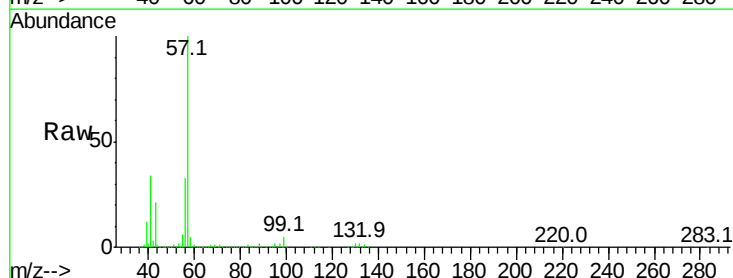
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

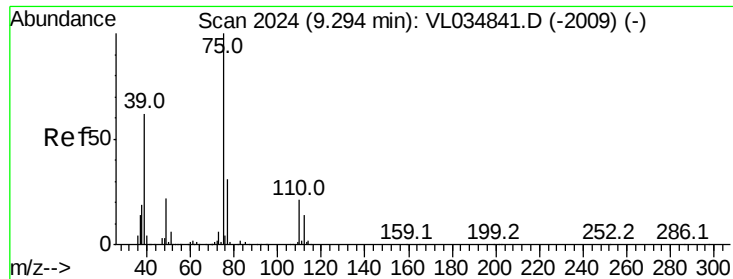
Tgt Ion: 69 Resp: 774903
Ion Ratio Lower Upper
69 100
41 151.9 123.2 184.8
100 33.4 26.9 40.3



#44
2,2,4-Trimethylpentane
Concen: 9.482 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VL034861.D
Acq: 10 Mar 2020 8:58

Tgt Ion: 57 Resp: 2916272
Ion Ratio Lower Upper
57 100
41 33.9 26.2 39.4
56 31.6 25.0 37.4

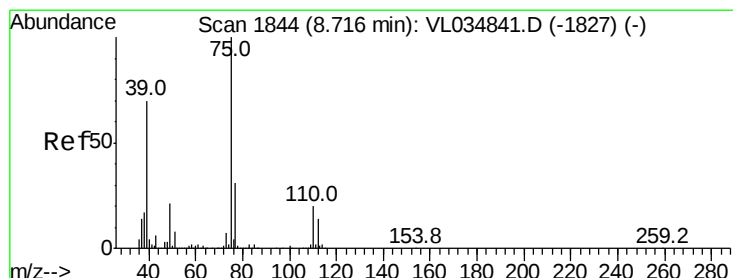
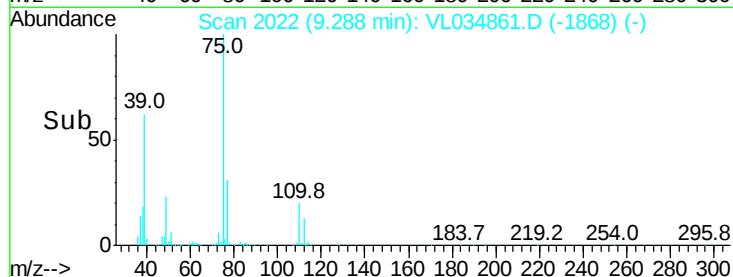
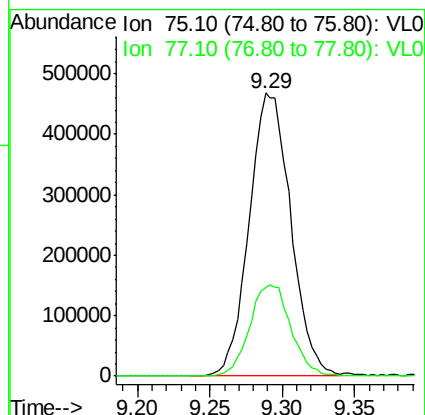
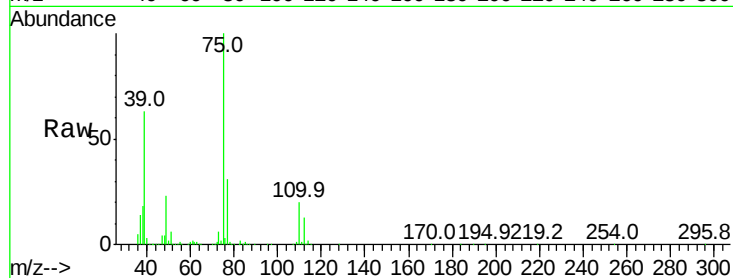




#45
t-1,3-Dichloropropene
Concen: 10.387 ppbv
RT: 9.29 min Scan# 2022
Delta R.T. -0.01 min
Lab File: VL034861.D
Acq: 10 Mar 2020 8:58

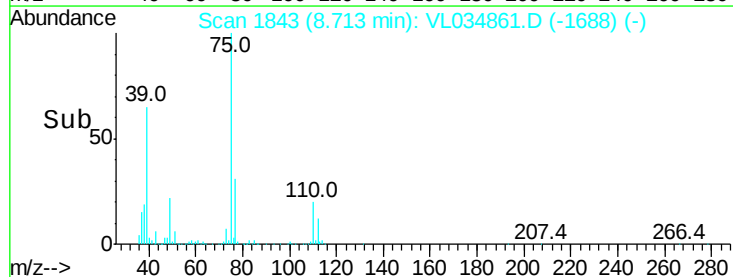
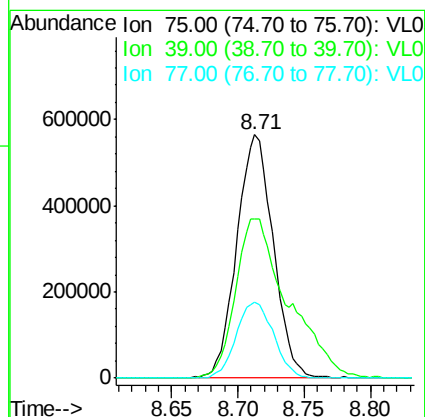
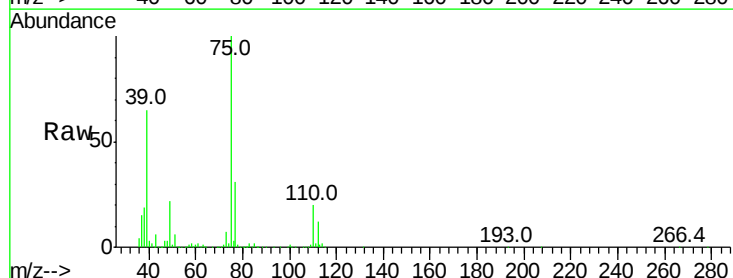
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

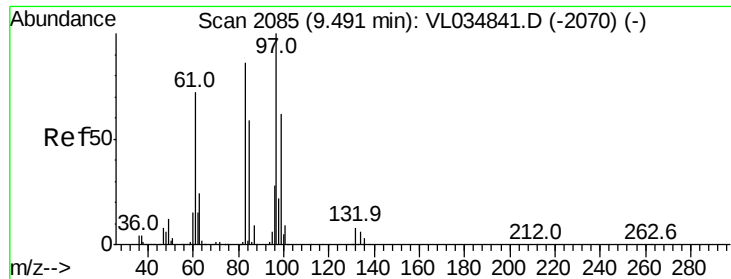
Tgt Ion: 75 Resp: 935678
Ion Ratio Lower Upper
75 100
77 31.4 24.6 37.0



#46
cis-1,3-Dichloropropene
Concen: 10.099 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VL034861.D
Acq: 10 Mar 2020 8:58

Tgt Ion: 75 Resp: 1081112
Ion Ratio Lower Upper
75 100
39 65.4 55.7 83.5
77 31.2 24.7 37.1





#47

1,1,2-Trichloroethane

Concen: 9.391 ppbv

RT: 9.49 min Scan# 2085

Delta R.T. 0.00 min

Lab File: VL034861.D

Acq: 10 Mar 2020 8:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 97 Resp: 694924

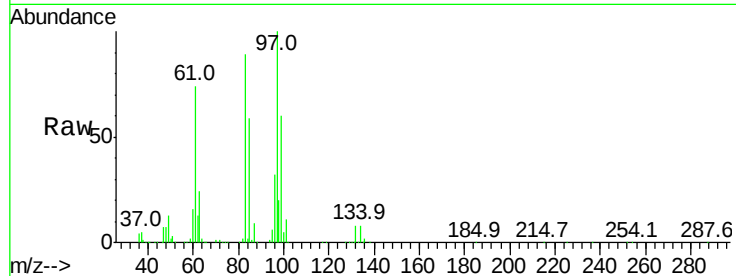
Ion Ratio Lower Upper

97 100

83 88.5 68.6 102.8

85 59.1 46.9 70.3

99 59.5 49.9 74.9

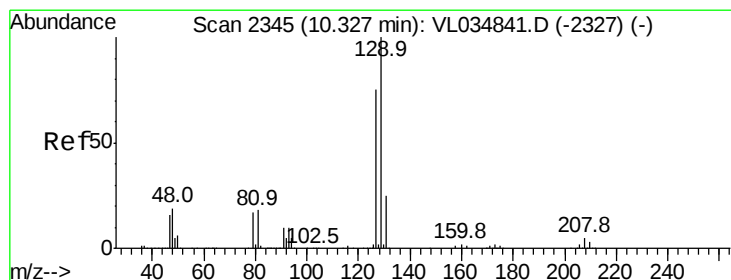
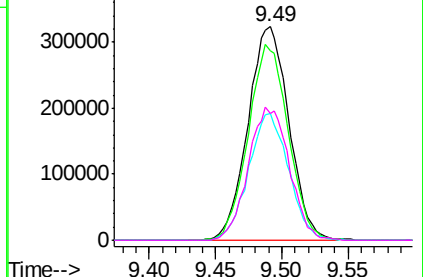
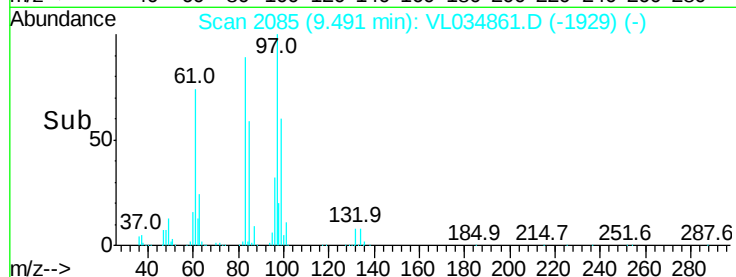


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 9.569 ppbv

RT: 10.32 min Scan# 2344

Delta R.T. -0.00 min

Lab File: VL034861.D

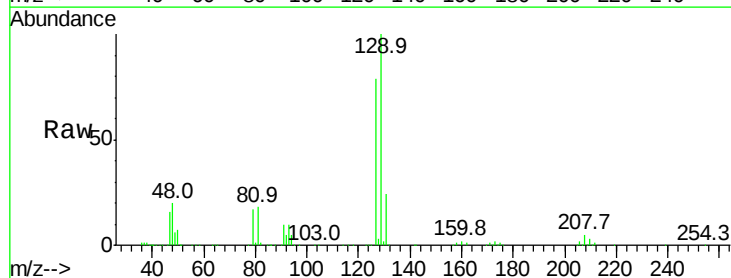
Acq: 10 Mar 2020 8:58

Tgt Ion: 129 Resp: 1146786

Ion Ratio Lower Upper

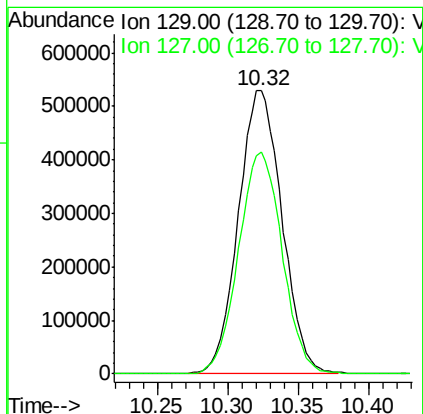
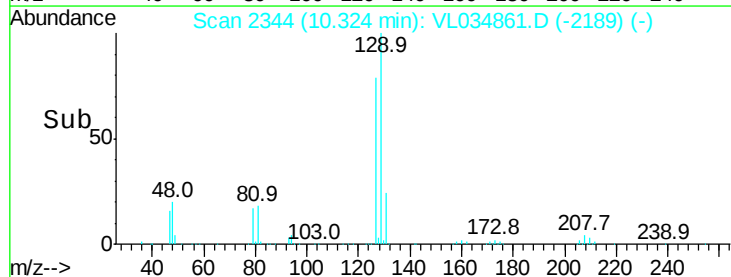
129 100

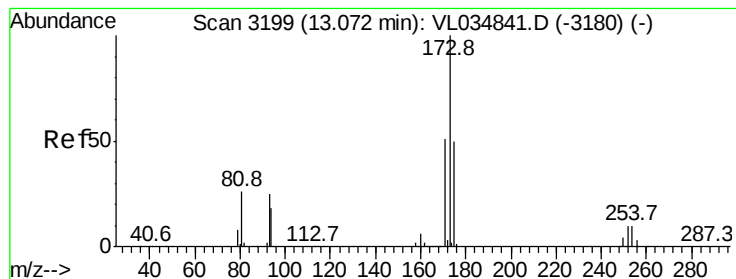
127 78.4 39.6 118.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.459 ppbv

RT: 13.07 min Scan# 3198

Delta R.T. -0.00 min

Lab File: VL034861.D

Acq: 10 Mar 2020 8:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

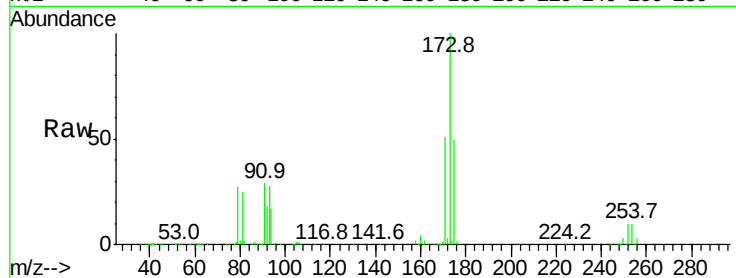
Tgt Ion:173 Resp: 1010724

Ion Ratio Lower Upper

173 100

175 49.3 39.6 59.4

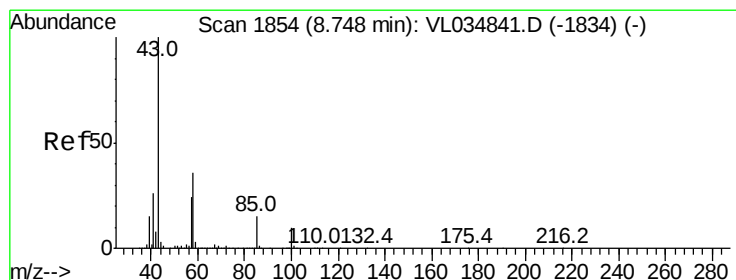
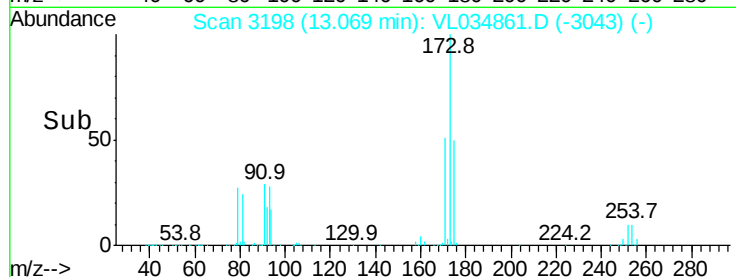
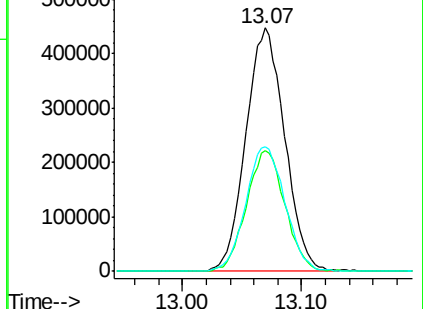
171 52.0 41.0 61.6



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.680 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VL034861.D

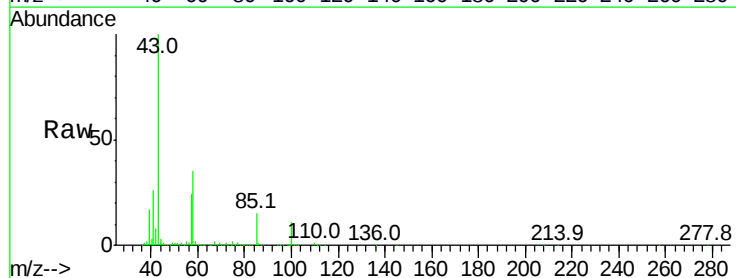
Acq: 10 Mar 2020 8:58

Tgt Ion: 43 Resp: 1890878

Ion Ratio Lower Upper

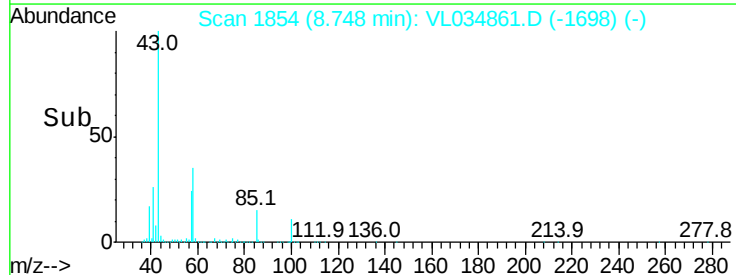
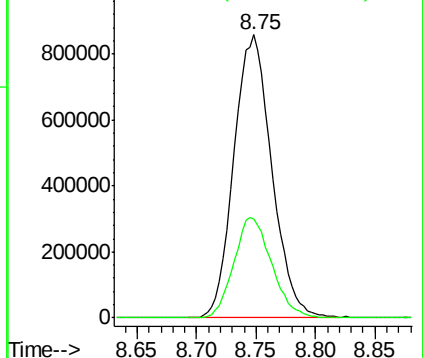
43 100

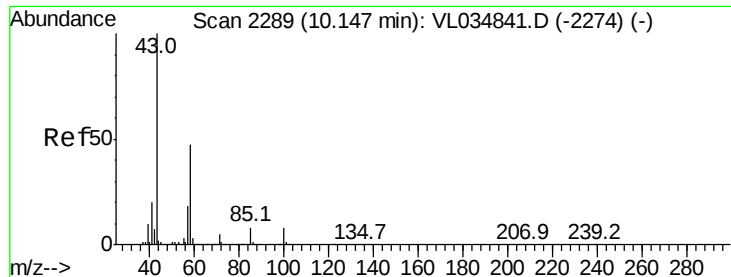
58 35.6 28.6 42.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

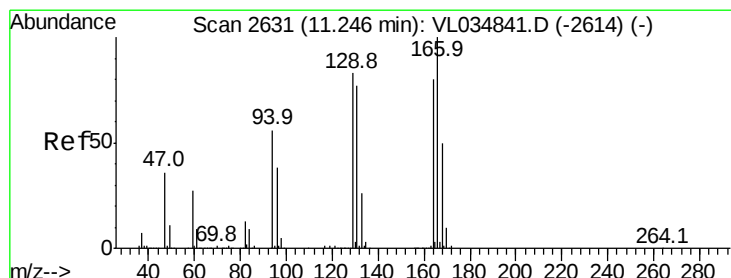
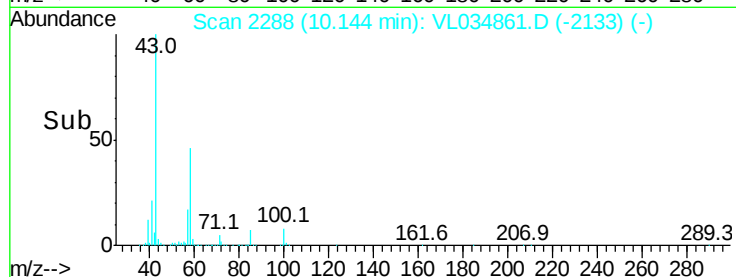
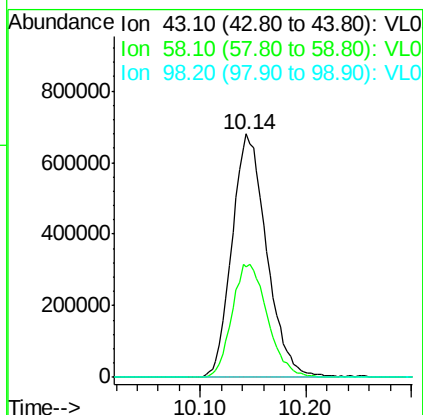
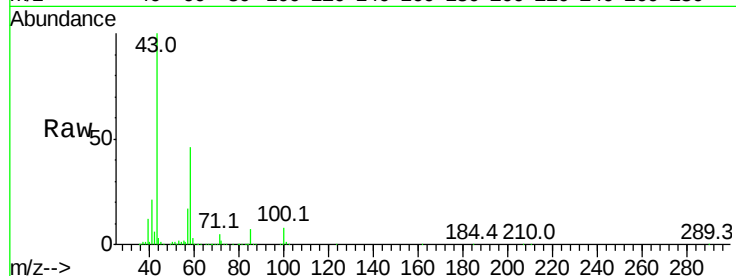




#51
2-Hexanone
Concen: 9.776 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. -0.00 min
Lab File: VL034861.D
Acq: 10 Mar 2020 8:58

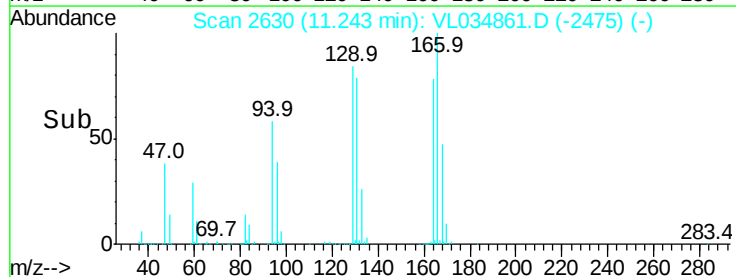
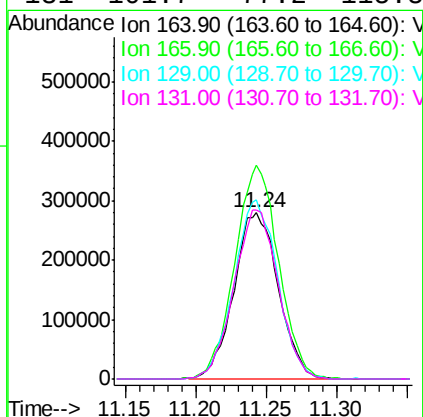
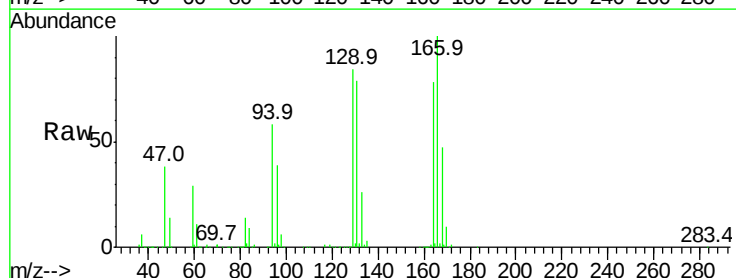
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

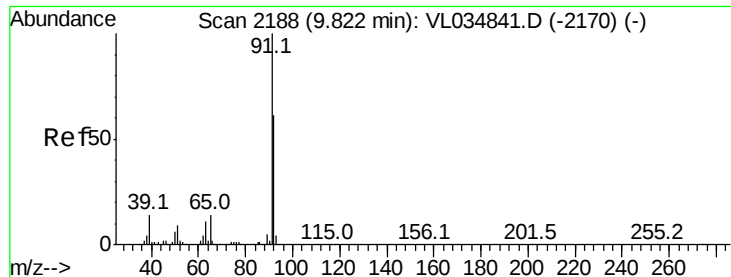
Tgt Ion: 43 Resp: 1551882
Ion Ratio Lower Upper
43 100
58 47.9 38.6 58.0
98 0.2 0.1 0.1#



#52
Tetrachloroethene
Concen: 8.531 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. -0.00 min
Lab File: VL034861.D
Acq: 10 Mar 2020 8:58

Tgt Ion: 164 Resp: 614263
Ion Ratio Lower Upper
164 100
166 128.2 100.0 150.0
129 107.6 83.1 124.7
131 101.7 77.2 115.8





#53

Toluene

Concen: 9.478 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.00 min

Lab File: VL034861.D

Acq: 10 Mar 2020 8:58

Instrument :

MSVOA_L

ClientSampleId :

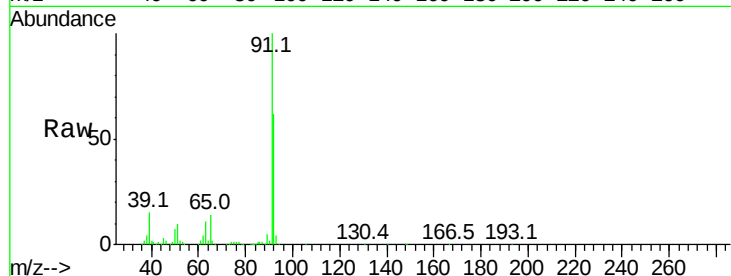
VSTDCCC010EC

Tgt Ion: 91 Resp: 1992001

Ion Ratio Lower Upper

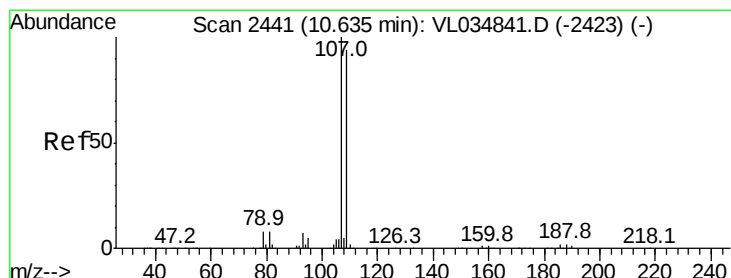
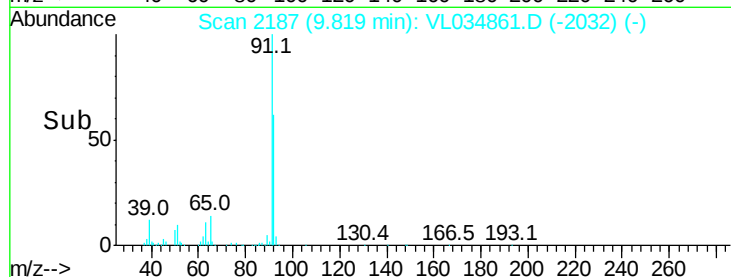
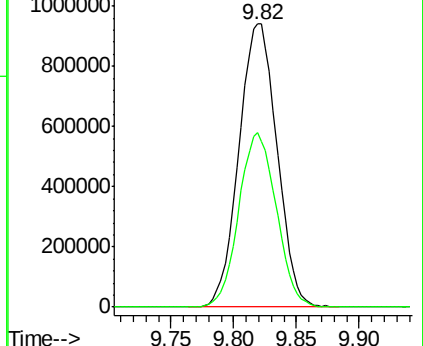
91 100

92 60.6 48.6 72.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 9.390 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. -0.00 min

Lab File: VL034861.D

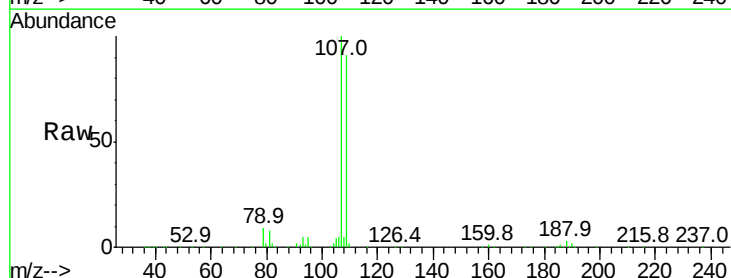
Acq: 10 Mar 2020 8:58

Tgt Ion: 107 Resp: 1046037

Ion Ratio Lower Upper

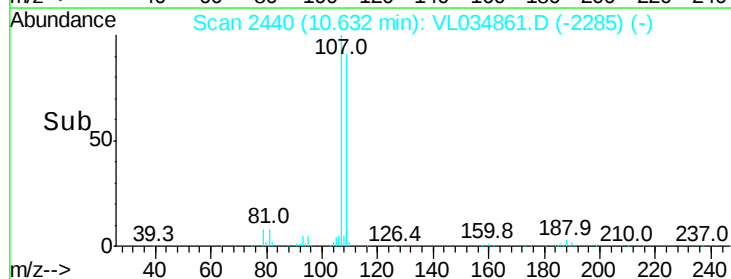
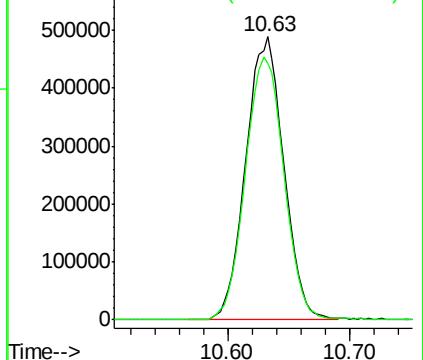
107 100

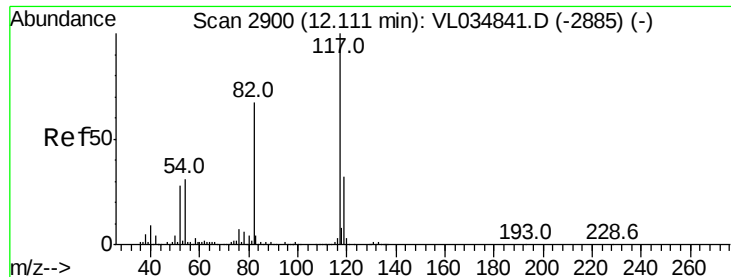
109 90.7 74.9 112.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

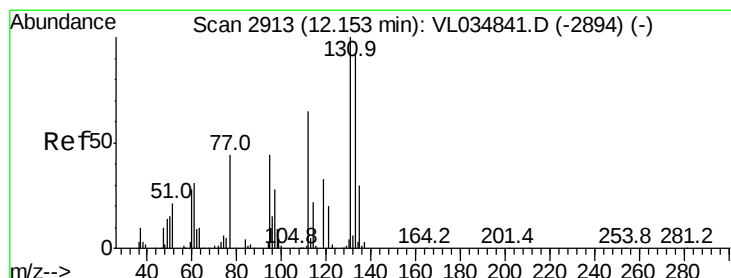
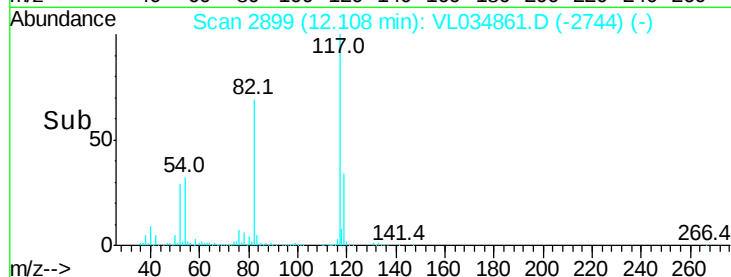
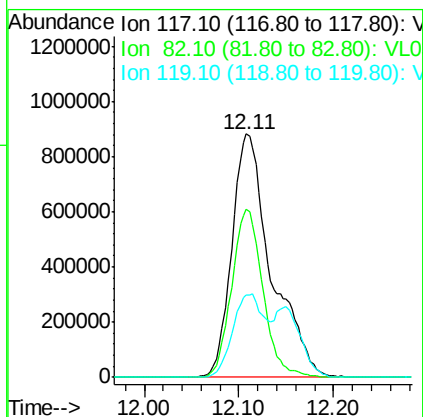
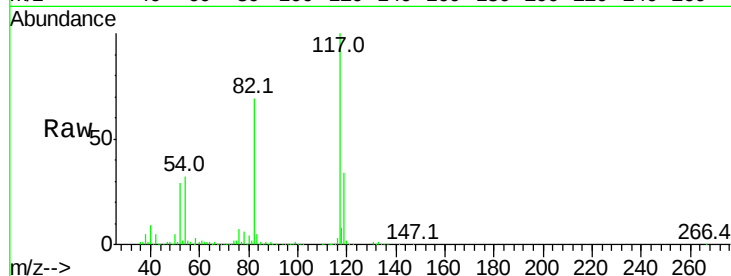




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL034861.D
Acq: 10 Mar 2020 8:58

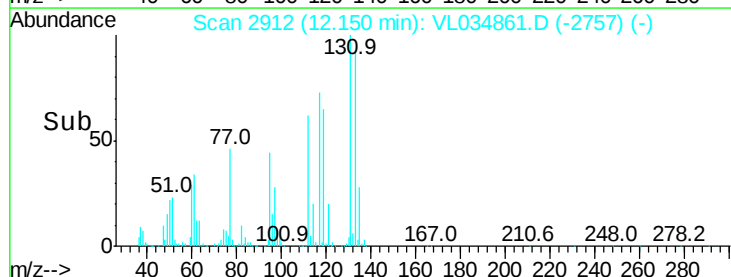
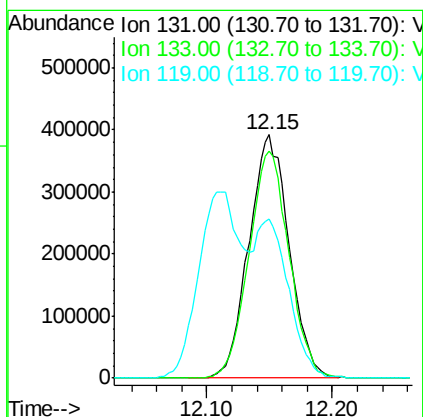
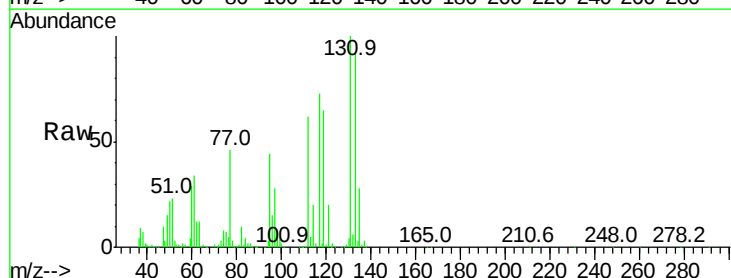
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

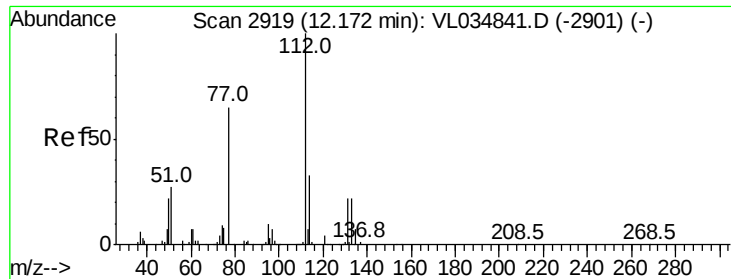
Tgt Ion:117 Resp: 2557271
Ion Ratio Lower Upper
117 100
82 54.7 51.1 76.7
119 28.2 27.3 40.9



#56
1,1,1,2-Tetrachloroethane
Concen: 7.605 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VL034861.D
Acq: 10 Mar 2020 8:58

Tgt Ion:131 Resp: 873628
Ion Ratio Lower Upper
131 100
133 93.3 76.0 114.0
119 55.9 47.8 71.8

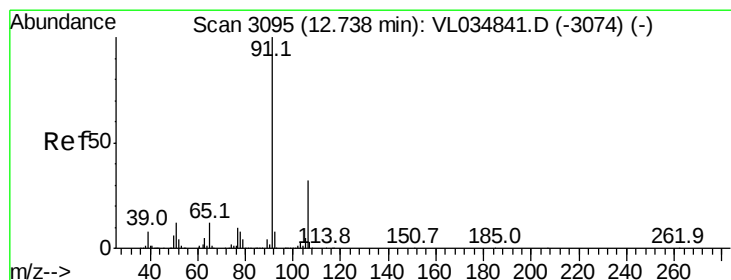
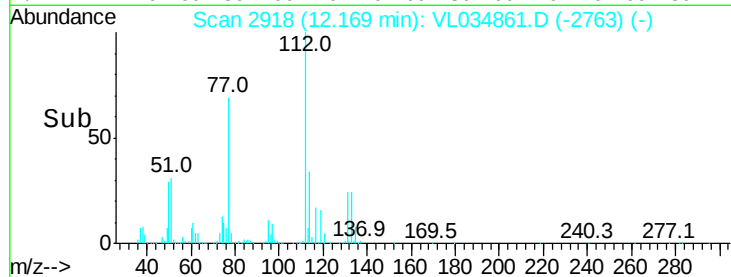
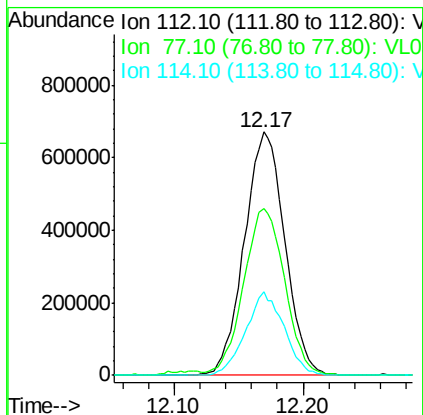
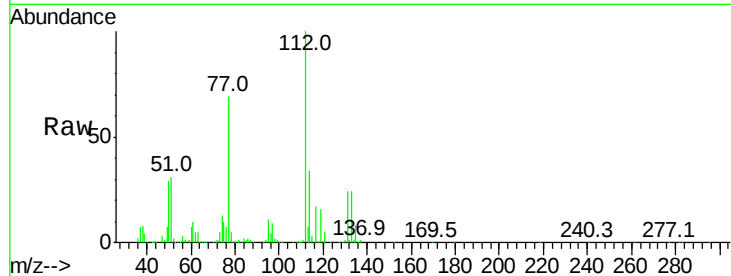




#57
Chlorobenzene
Concen: 7.333 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. -0.00 min
Lab File: VL034861.D
Acq: 10 Mar 2020 8:58

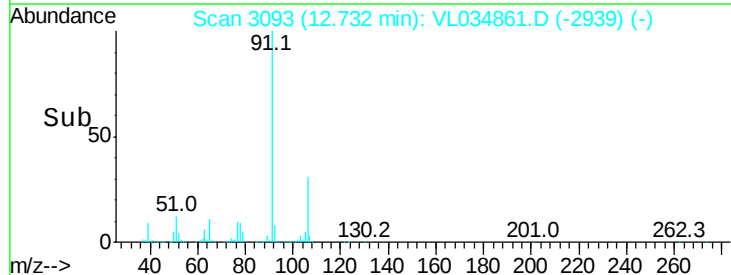
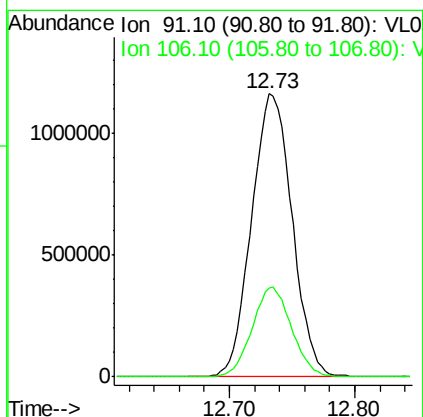
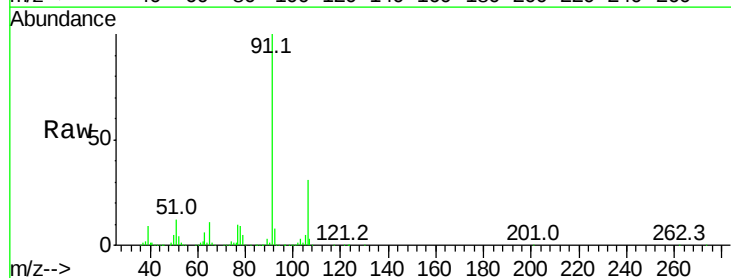
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

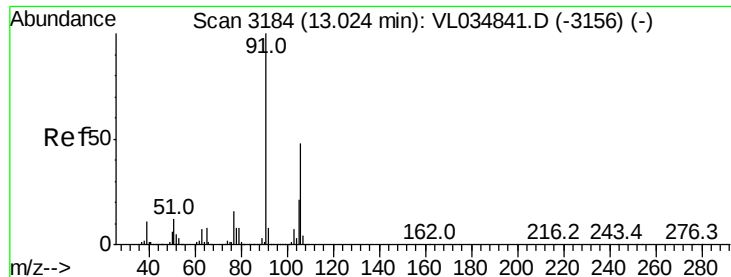
Tgt Ion: 112 Resp: 1467300
Ion Ratio Lower Upper
112 100
77 68.3 53.0 79.6
114 34.4 29.5 36.1



#58
Ethyl Benzene
Concen: 7.548 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. -0.01 min
Lab File: VL034861.D
Acq: 10 Mar 2020 8:58

Tgt Ion: 91 Resp: 2614087
Ion Ratio Lower Upper
91 100
106 31.2 25.8 38.6

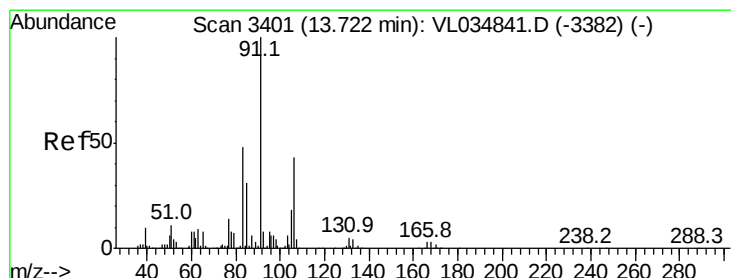
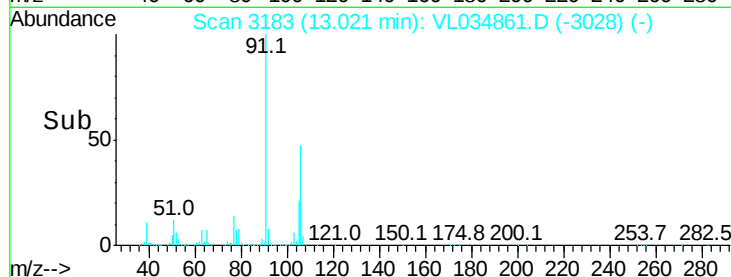
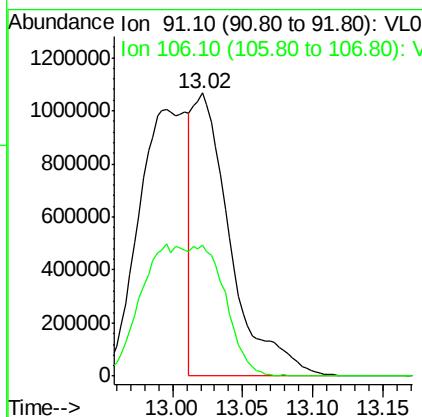
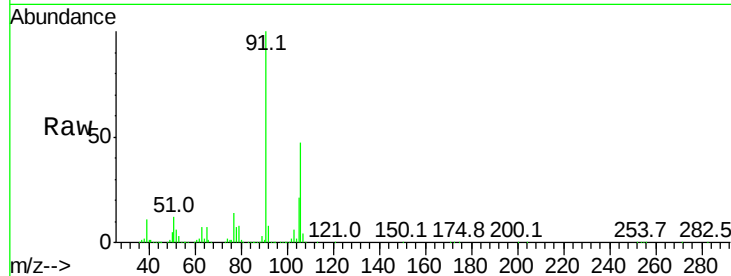




#59
m/p-Xylene
Concen: 6.837 ppbv
RT: 13.02 min Scan# 3183
Delta R.T. -0.00 min
Lab File: VL034861.D
Acq: 10 Mar 2020 8:58

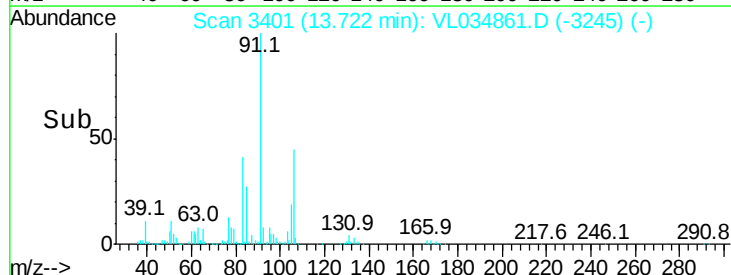
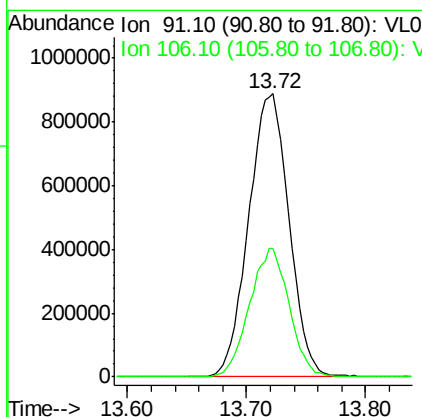
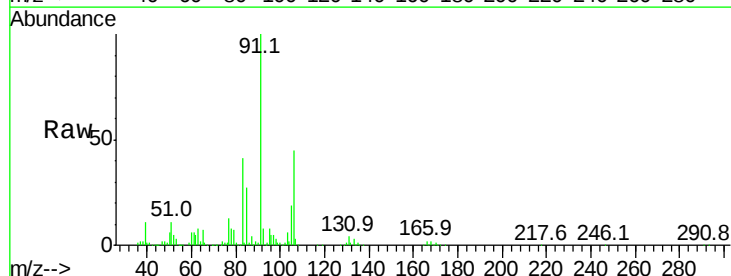
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

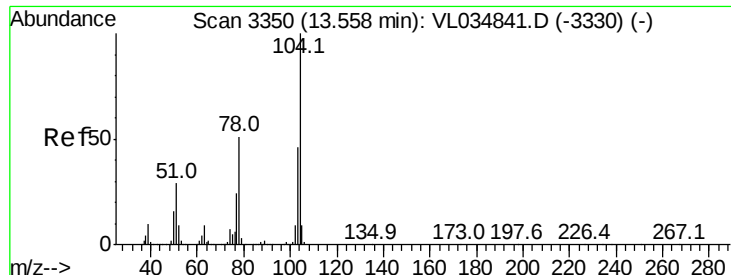
Tgt Ion: 91 Resp: 1983636
Ion Ratio Lower Upper
91 100
106 0.0 37.1 55.7#



#60
o-Xylene
Concen: 7.360 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. 0.00 min
Lab File: VL034861.D
Acq: 10 Mar 2020 8:58

Tgt Ion: 91 Resp: 2085083
Ion Ratio Lower Upper
91 100
106 44.5 22.5 67.5





#61

Styrene

Concen: 7.898 ppbv

RT: 13.55 min Scan# 3349

Delta R.T. -0.00 min

Lab File: VL034861.D

Acq: 10 Mar 2020 8:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

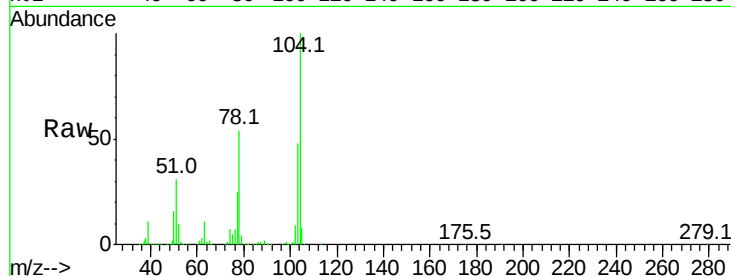
Tgt Ion:104 Resp: 1570247

Ion Ratio Lower Upper

104 100

78 52.5 41.8 62.6

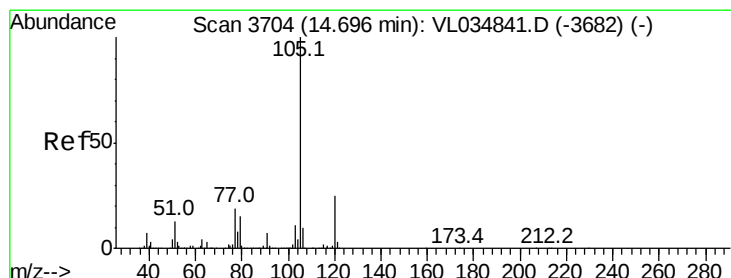
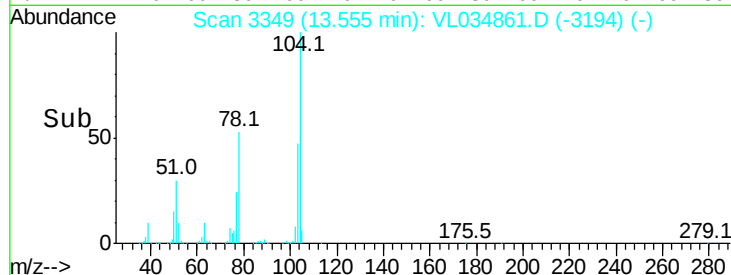
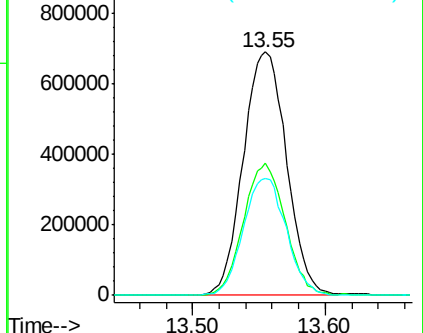
103 48.0 37.8 56.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.292 ppbv

RT: 14.70 min Scan# 3704

Delta R.T. 0.00 min

Lab File: VL034861.D

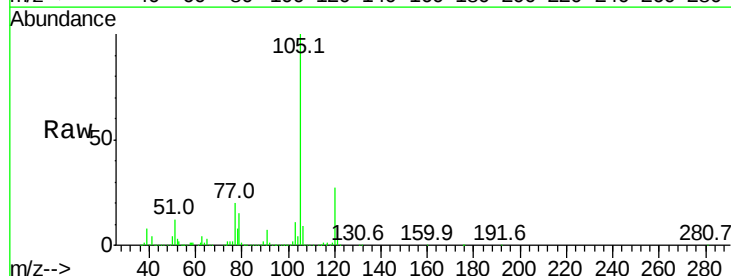
Acq: 10 Mar 2020 8:58

Tgt Ion:105 Resp: 3123419

Ion Ratio Lower Upper

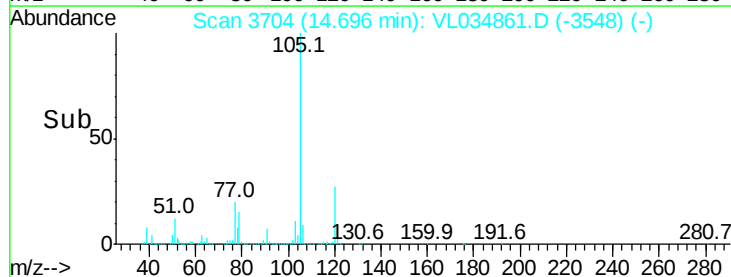
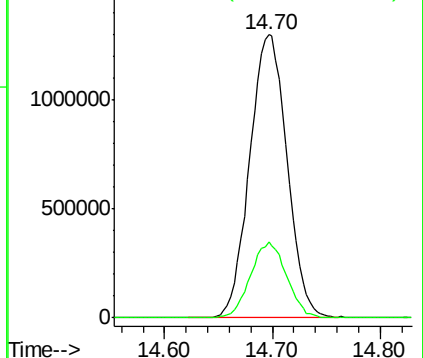
105 100

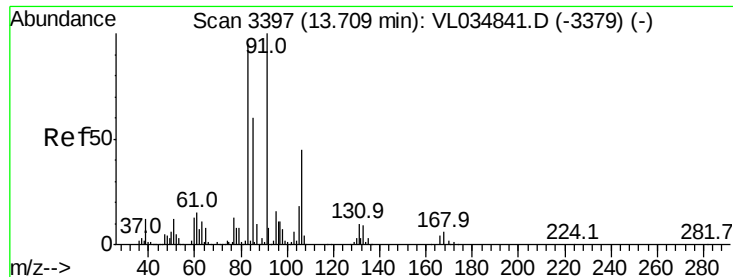
120 25.8 21.0 31.4



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: 7.339 ppbv

RT: 13.70 min Scan# 3395

Delta R.T. -0.01 min

Lab File: VL034861.D

Acq: 10 Mar 2020 8:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

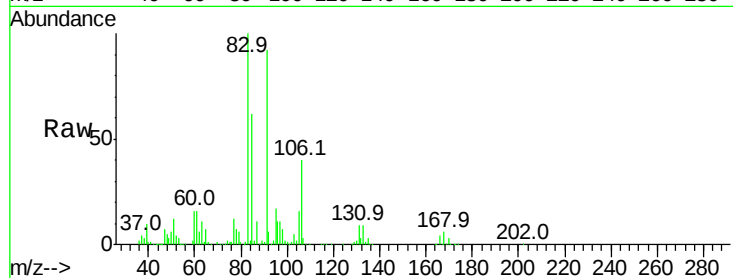
Tgt Ion: 83 Resp: 1411436

Ion Ratio Lower Upper

83 100

131 9.8 5.0 14.9

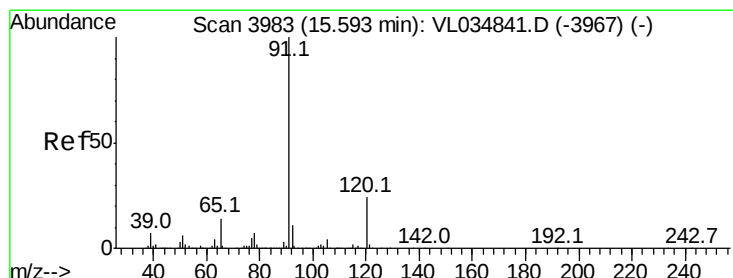
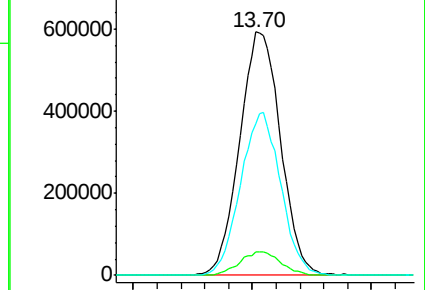
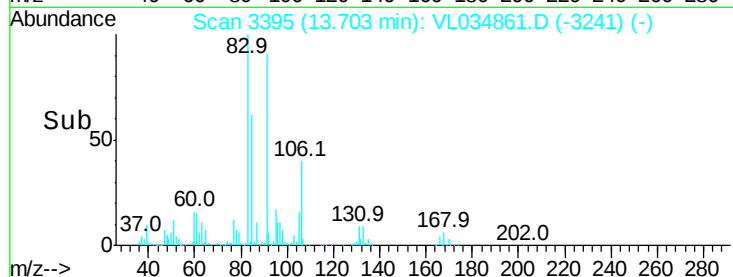
85 65.8 32.4 97.2



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.391 ppbv

RT: 15.59 min Scan# 3982

Delta R.T. -0.00 min

Lab File: VL034861.D

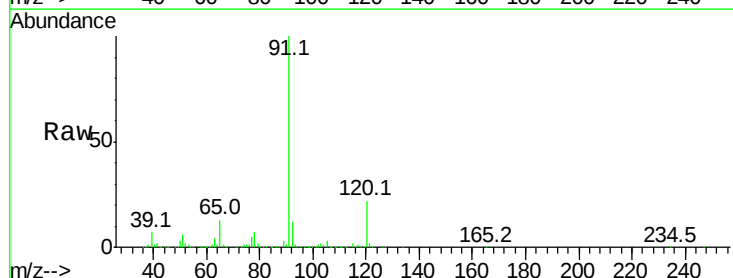
Acq: 10 Mar 2020 8:58

Tgt Ion: 120 Resp: 823973

Ion Ratio Lower Upper

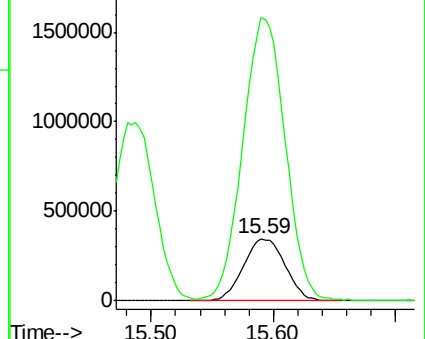
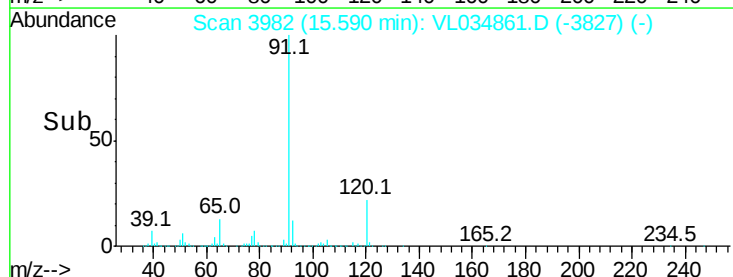
120 100

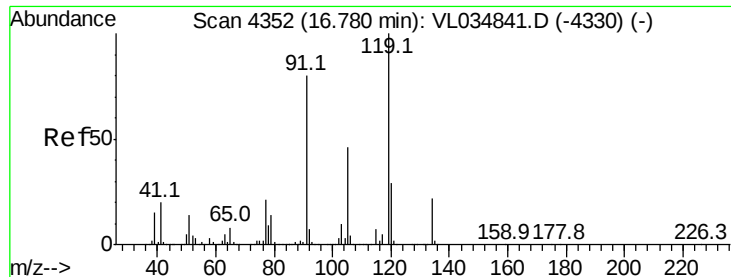
91 461.8 360.9 541.3



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

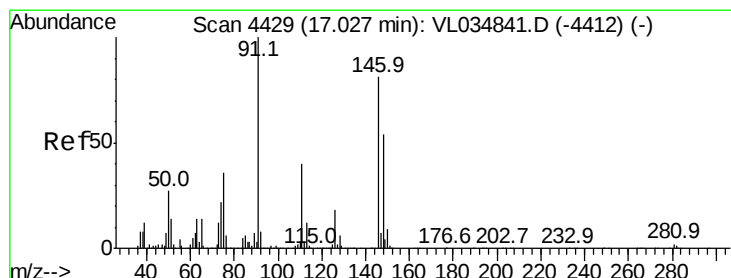
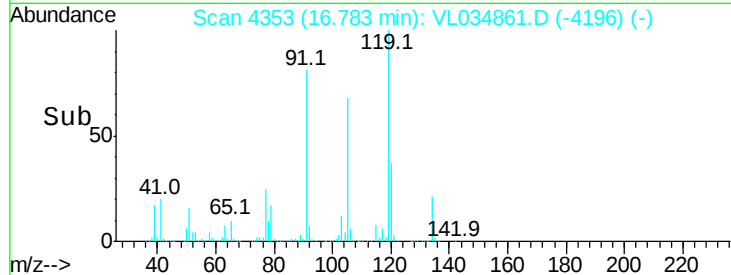
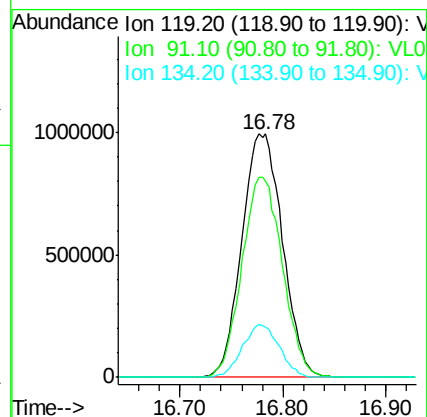
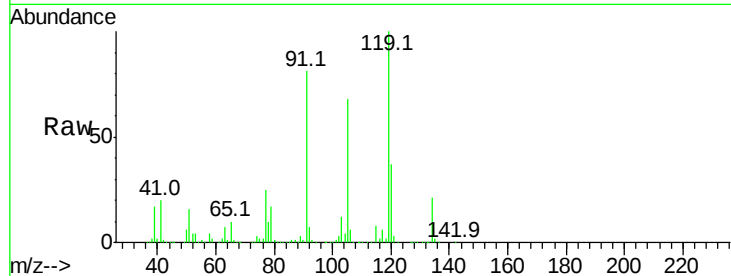




#65
 tert-Butylbenzene
 Concen: 7.280 ppbv
 RT: 16.78 min Scan# 4353
 Delta R.T. 0.00 min
 Lab File: VL034861.D
 Acq: 10 Mar 2020 8:58

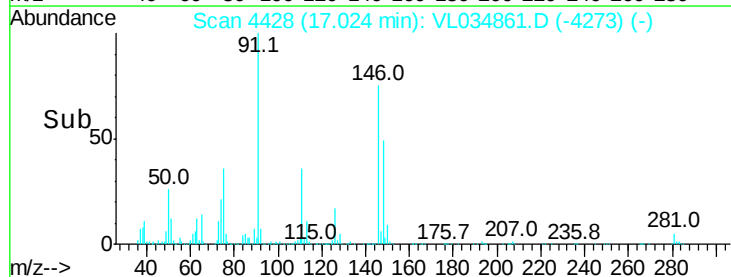
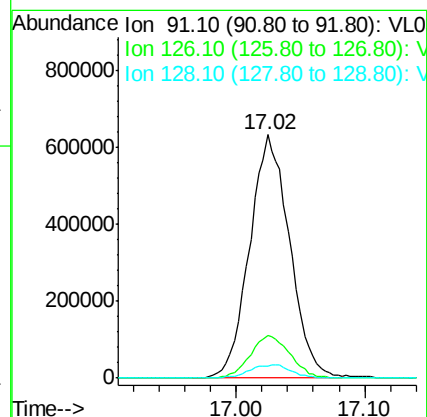
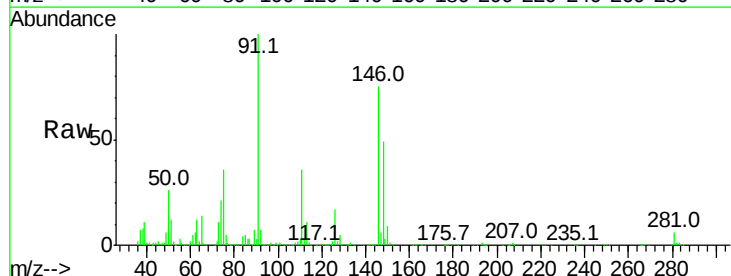
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

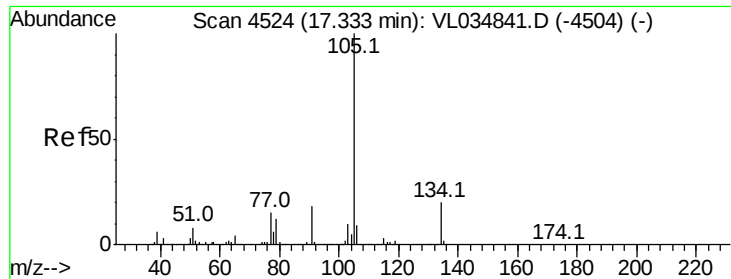
Tgt Ion: 119 Resp: 2726057
 Ion Ratio Lower Upper
 119 100
 91 82.0 64.9 97.3
 134 19.8 15.9 23.9



#66
 Benzyl Chloride
 Concen: 8.761 ppbv
 RT: 17.02 min Scan# 4428
 Delta R.T. -0.00 min
 Lab File: VL034861.D
 Acq: 10 Mar 2020 8:58

Tgt Ion: 91 Resp: 1367940
 Ion Ratio Lower Upper
 91 100
 126 17.6 14.7 22.1
 128 5.8 4.7 7.1

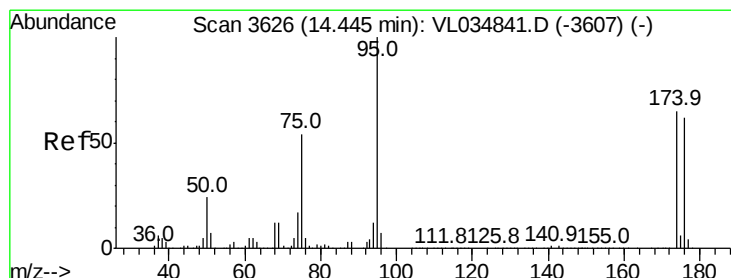
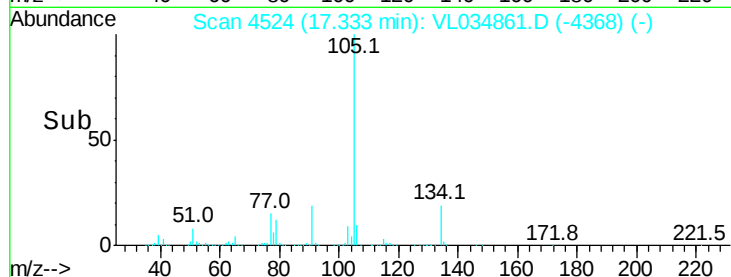
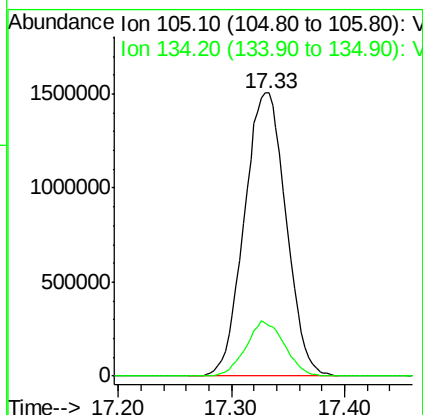
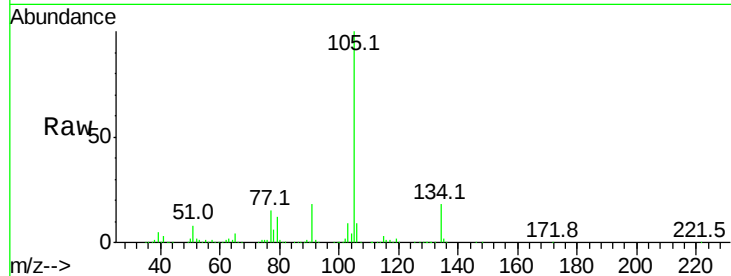




#67
 sec-Butylbenzene
 Concen: 7.423 ppbv
 RT: 17.33 min Scan# 4524
 Delta R.T. 0.00 min
 Lab File: VL034861.D
 Acq: 10 Mar 2020 8:58

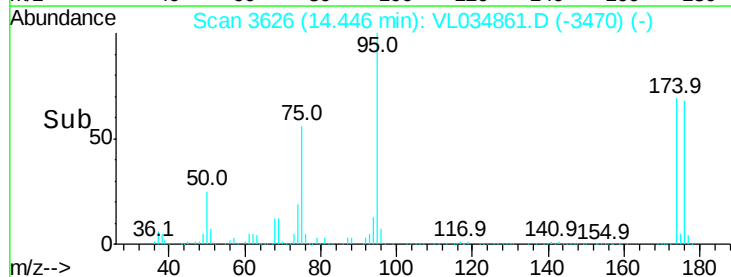
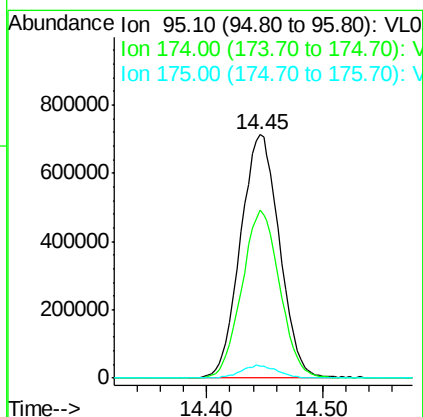
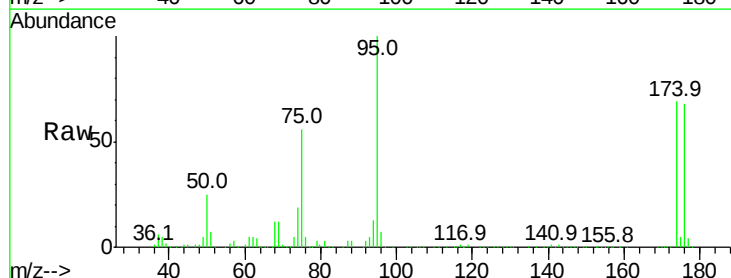
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

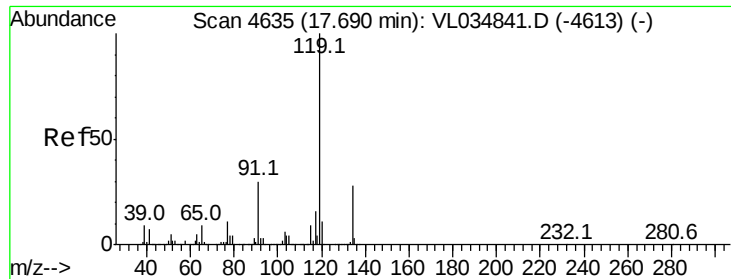
Tgt Ion: 105 Resp: 3854122
 Ion Ratio Lower Upper
 105 100
 134 18.1 15.0 22.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.347 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. 0.00 min
 Lab File: VL034861.D
 Acq: 10 Mar 2020 8:58

Tgt Ion: 95 Resp: 1664610
 Ion Ratio Lower Upper
 95 100
 174 67.1 55.2 82.8
 175 5.1 4.3 6.5

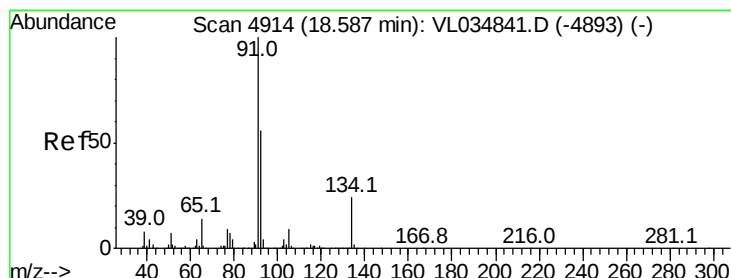
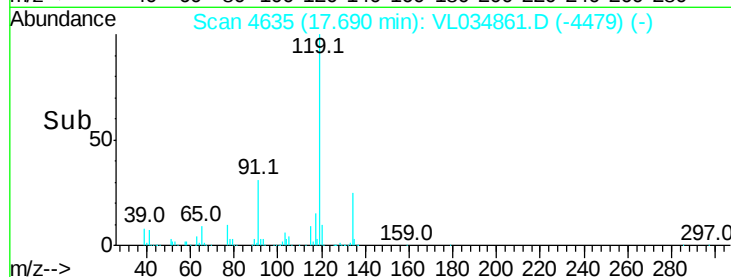
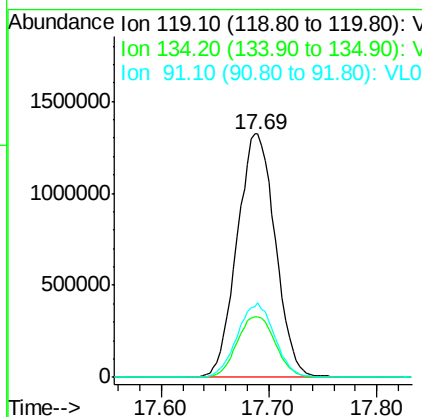
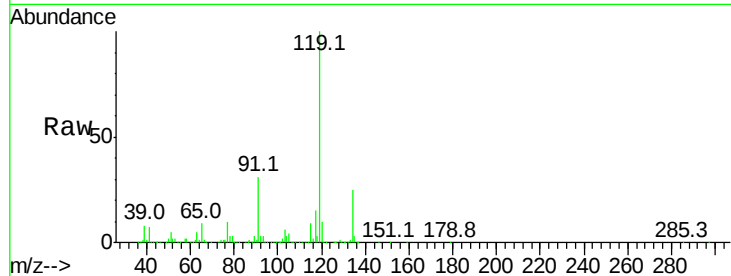




#69
 p-Isopropyltoluene
 Concen: 7.449 ppbv
 RT: 17.69 min Scan# 4635
 Delta R.T. 0.00 min
 Lab File: VL034861.D
 Acq: 10 Mar 2020 8:58

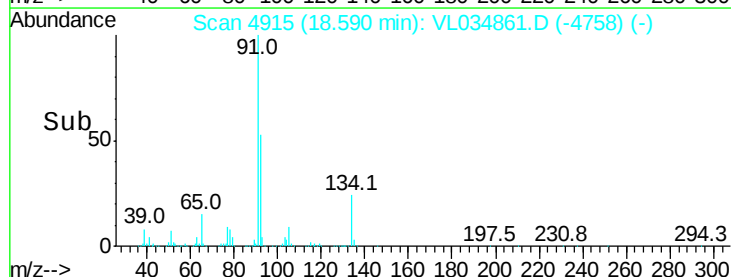
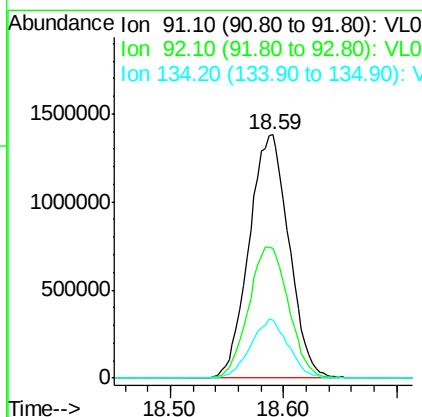
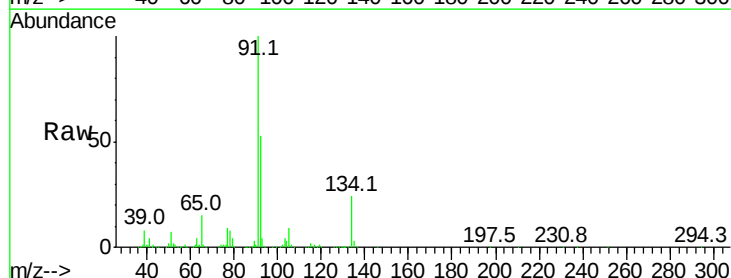
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

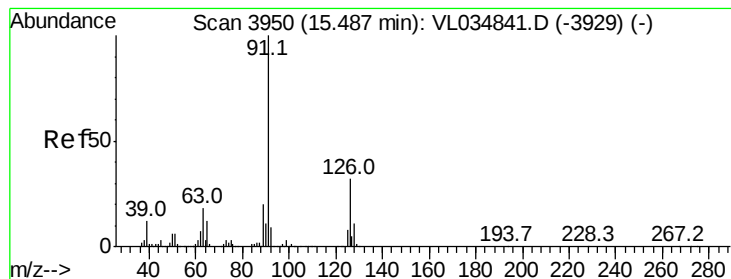
Tgt Ion: 119 Resp: 3242975
 Ion Ratio Lower Upper
 119 100
 134 25.1 20.6 30.8
 91 29.9 23.4 35.2



#70
 n-Butylbenzene
 Concen: 7.606 ppbv
 RT: 18.59 min Scan# 4915
 Delta R.T. 0.00 min
 Lab File: VL034861.D
 Acq: 10 Mar 2020 8:58

Tgt Ion: 91 Resp: 3378866
 Ion Ratio Lower Upper
 91 100
 92 54.2 43.8 65.6
 134 22.9 19.0 28.4

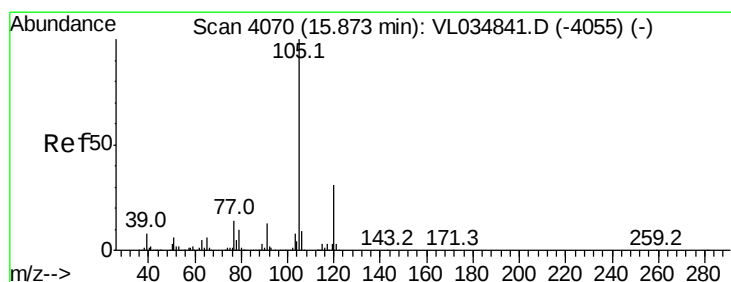
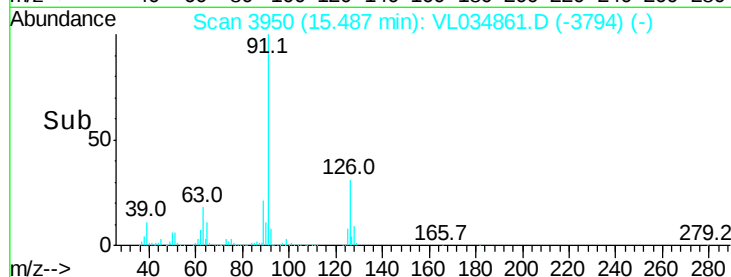
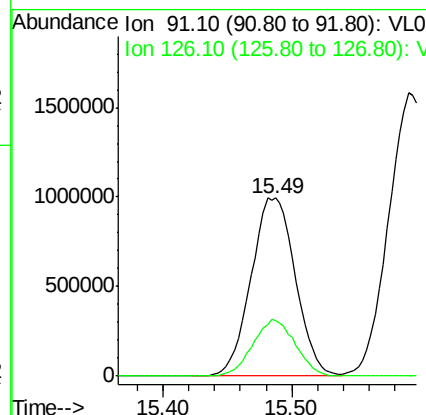
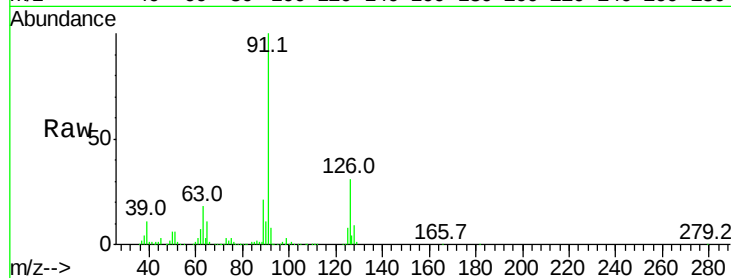




#71
 2-Chlorotoluene
 Concen: 7.355 ppbv
 RT: 15.49 min Scan# 3950
 Delta R.T. 0.00 min
 Lab File: VL034861.D
 Acq: 10 Mar 2020 8:58

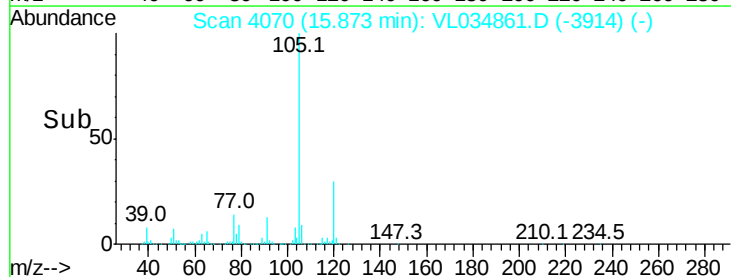
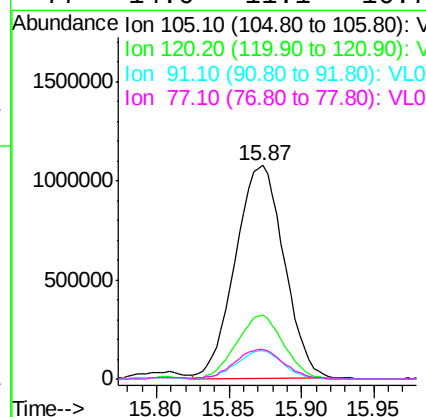
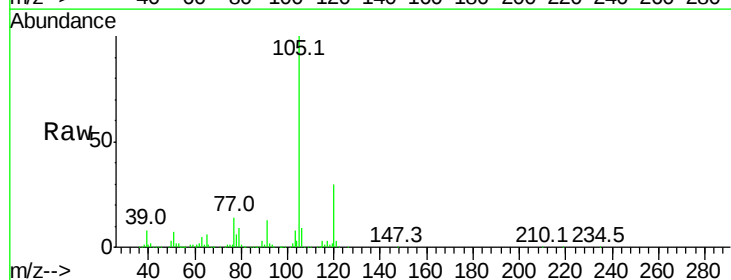
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

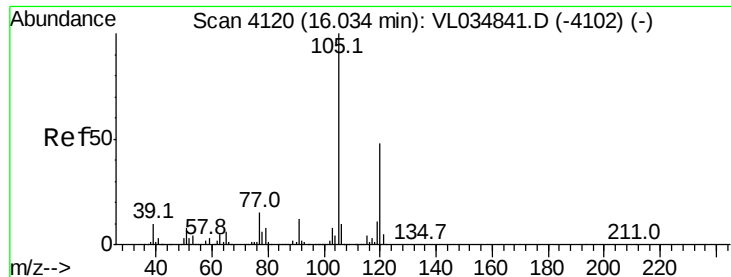
Tgt Ion: 91 Resp: 2385734
 Ion Ratio Lower Upper
 91 100
 126 30.4 12.3 49.1



#72
 4-Ethyltoluene
 Concen: 7.520 ppbv
 RT: 15.87 min Scan# 4070
 Delta R.T. 0.00 min
 Lab File: VL034861.D
 Acq: 10 Mar 2020 8:58

Tgt Ion: 105 Resp: 2515687
 Ion Ratio Lower Upper
 105 100
 120 29.1 23.7 35.5
 91 13.0 10.5 15.7
 77 14.0 11.1 16.7

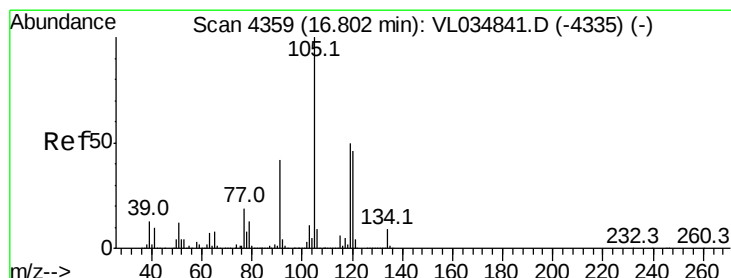
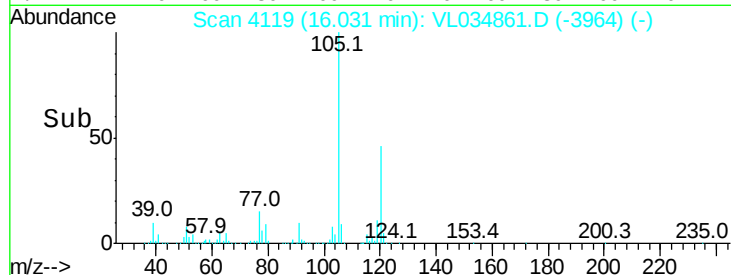
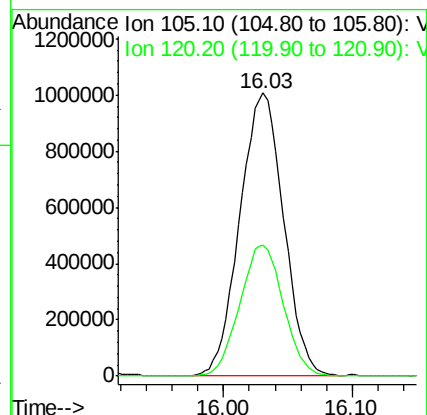
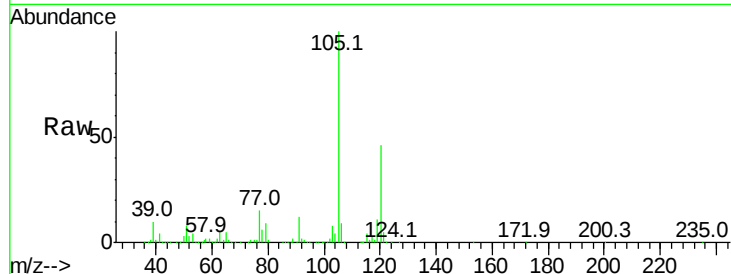




#73
 1,3,5-Trimethylbenzene
 Concen: 7.546 ppbv
 RT: 16.03 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VL034861.D
 Acq: 10 Mar 2020 8:58

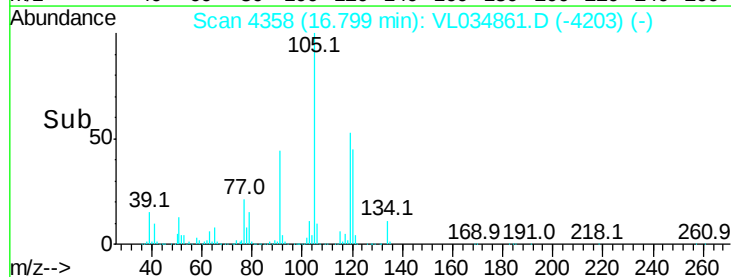
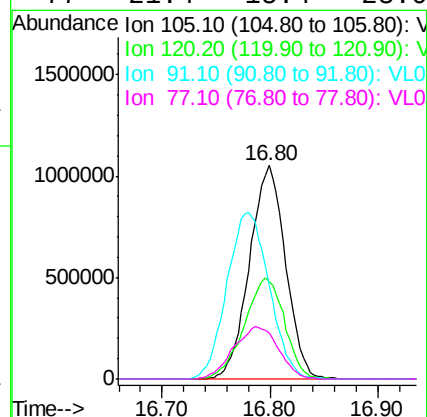
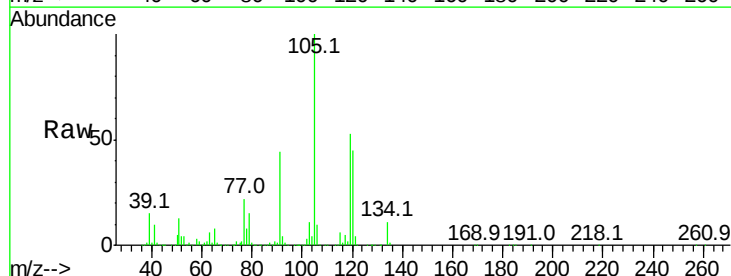
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

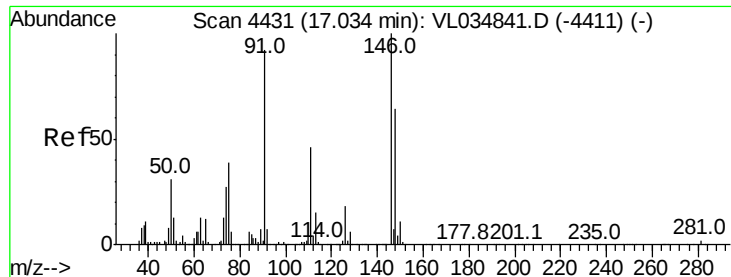
Tgt Ion:105 Resp: 2363122
 Ion Ratio Lower Upper
 105 100
 120 46.2 38.6 58.0



#74
 1,2,4-Trimethylbenzene
 Concen: 7.553 ppbv
 RT: 16.80 min Scan# 4358
 Delta R.T. -0.00 min
 Lab File: VL034861.D
 Acq: 10 Mar 2020 8:58

Tgt Ion:105 Resp: 2437026
 Ion Ratio Lower Upper
 105 100
 120 45.2 37.0 55.4
 91 43.8 33.8 50.6
 77 21.4 15.4 23.0





#75

1,3-Dichlorobenzene

Concen: 7.304 ppbv

RT: 17.03 min Scan# 4430

Delta R.T. -0.00 min

Lab File: VL034861.D

Acq: 10 Mar 2020 8:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

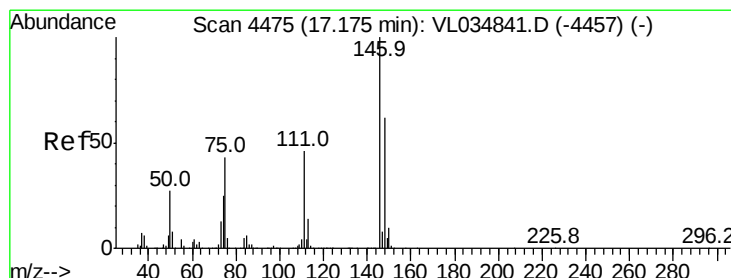
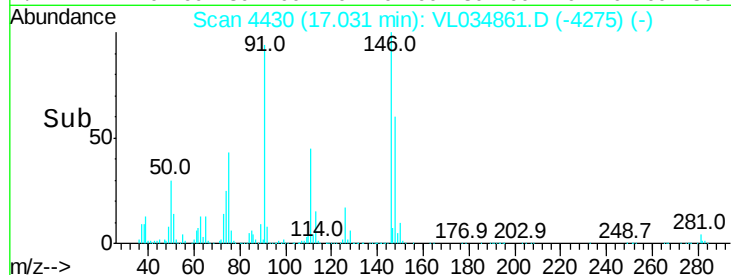
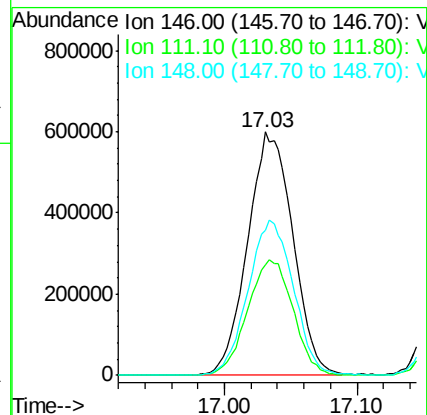
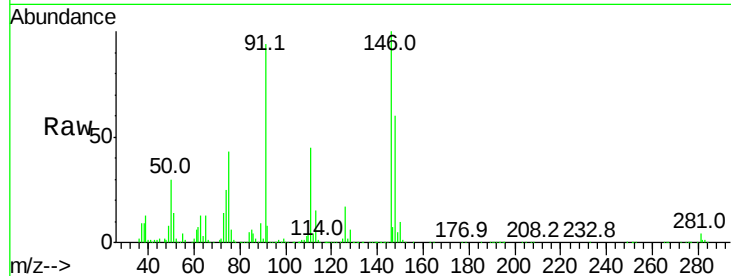
Tgt Ion:146 Resp: 1420987

Ion Ratio Lower Upper

146 100

111 47.8 23.9 71.7

148 64.0 32.5 97.5



#76

1,4-Dichlorobenzene

Concen: 7.494 ppbv

RT: 17.18 min Scan# 4475

Delta R.T. 0.00 min

Lab File: VL034861.D

Acq: 10 Mar 2020 8:58

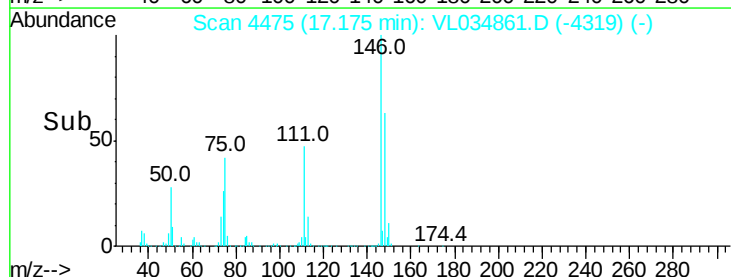
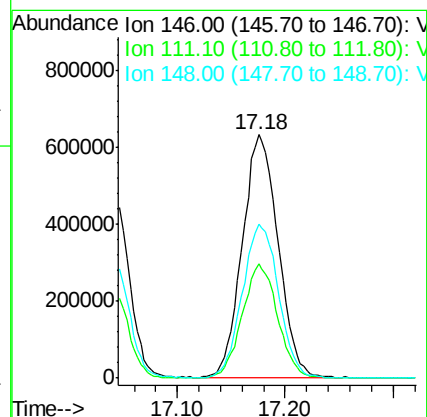
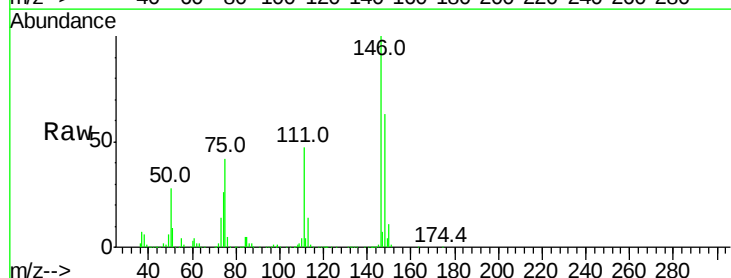
Tgt Ion:146 Resp: 1454808

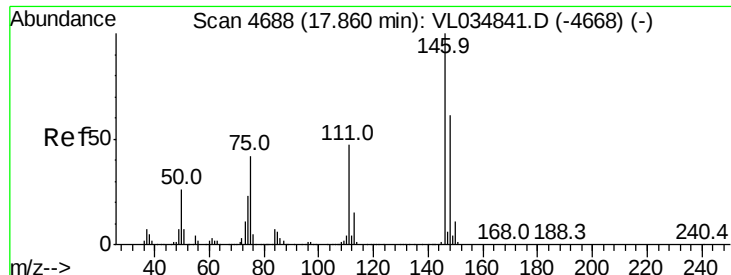
Ion Ratio Lower Upper

146 100

111 46.6 23.4 70.2

148 64.6 32.3 96.9

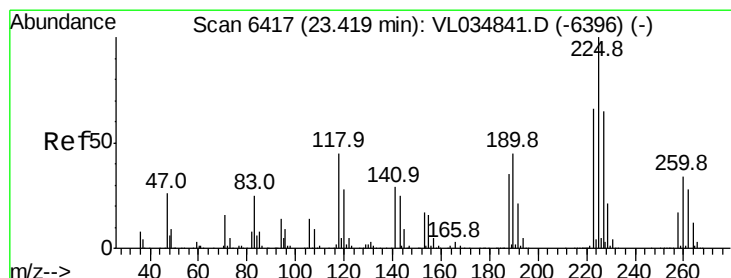
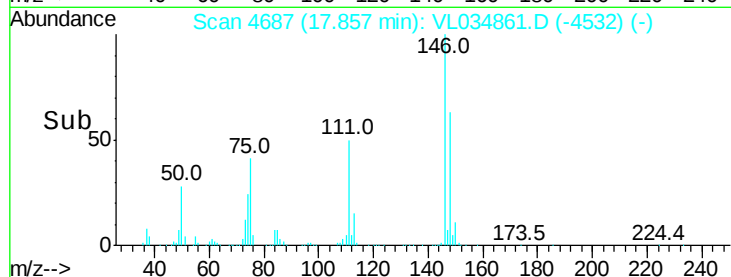
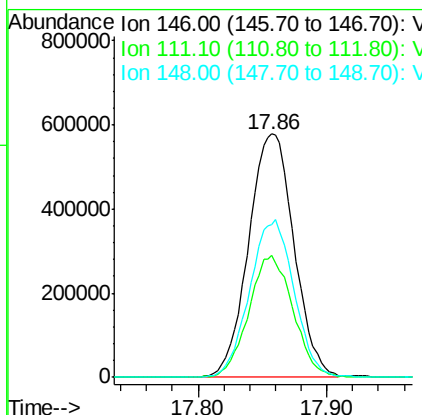
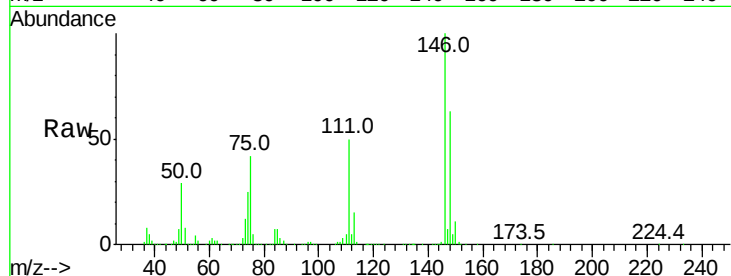




#77
 1,2-Dichlorobenzene
 Concen: 7.515 ppbv
 RT: 17.86 min Scan# 4687
 Delta R.T. -0.00 min
 Lab File: VL034861.D
 Acq: 10 Mar 2020 8:58

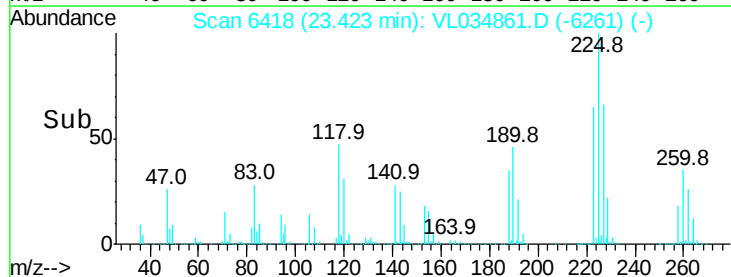
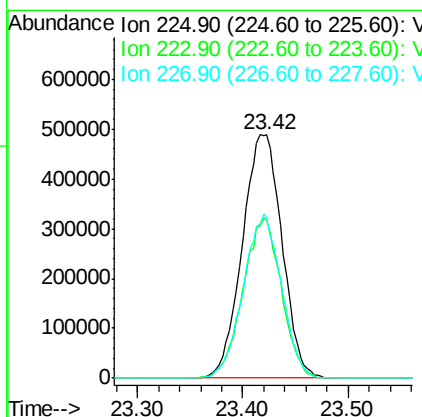
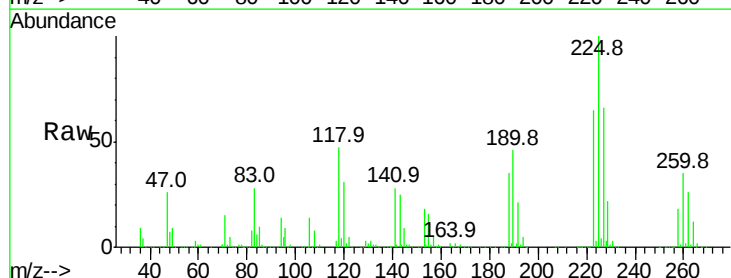
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

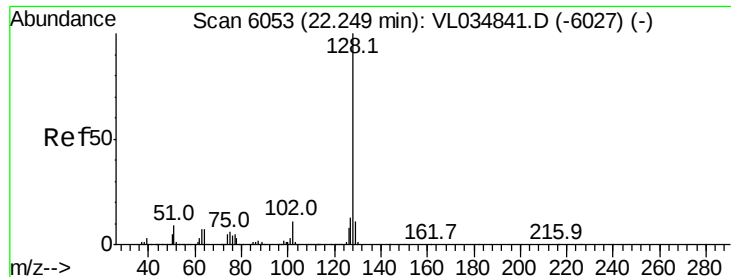
Tgt Ion:146 Resp: 1417141
 Ion Ratio Lower Upper
 146 100
 111 48.9 23.8 71.4
 148 63.5 31.6 94.8



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.122 ppbv
 RT: 23.42 min Scan# 6418
 Delta R.T. 0.00 min
 Lab File: VL034861.D
 Acq: 10 Mar 2020 8:58

Tgt Ion:225 Resp: 1279360
 Ion Ratio Lower Upper
 225 100
 223 63.3 51.1 76.7
 227 64.7 51.8 77.6





#79

Naphthalene

Concen: 10.124 ppbv

RT: 22.25 min Scan# 6054

Delta R.T. 0.00 min

Lab File: VL034861.D

Acq: 10 Mar 2020 8:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

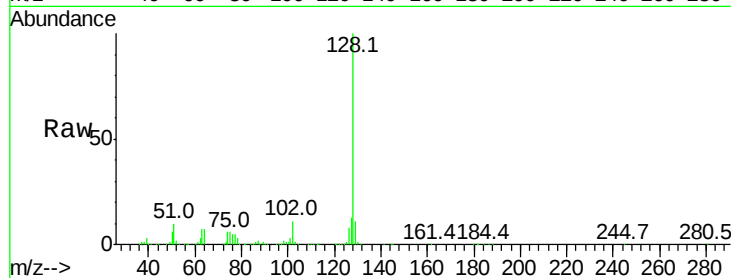
Tgt Ion:128 Resp: 2547385

Ion Ratio Lower Upper

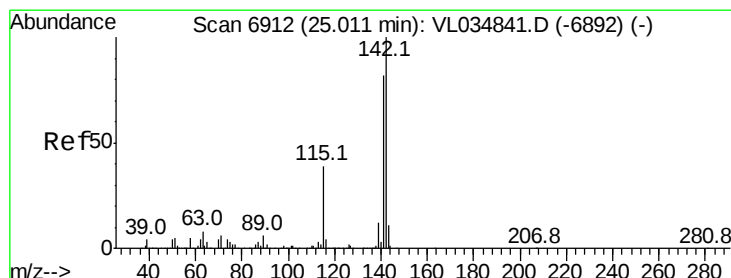
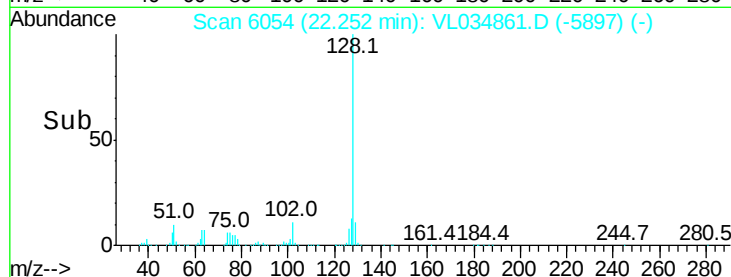
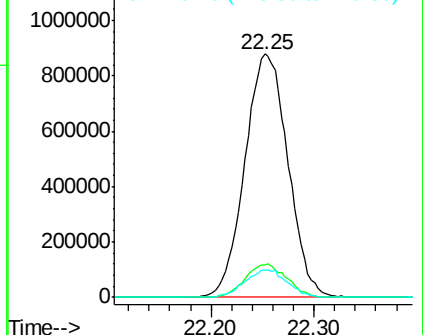
128 100

127 13.2 10.2 15.2

129 11.2 8.6 13.0



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: 16.381 ppbv

RT: 25.01 min Scan# 6912

Delta R.T. 0.00 min

Lab File: VL034861.D

Acq: 10 Mar 2020 8:58

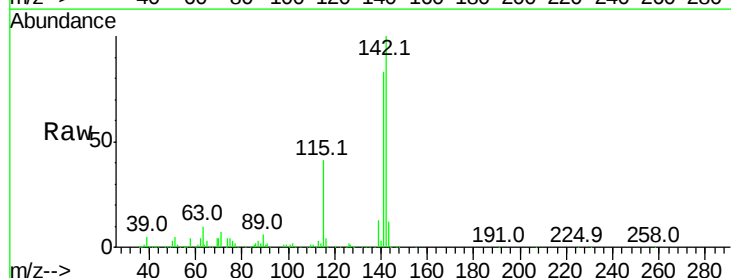
Tgt Ion:142 Resp: 1077159

Ion Ratio Lower Upper

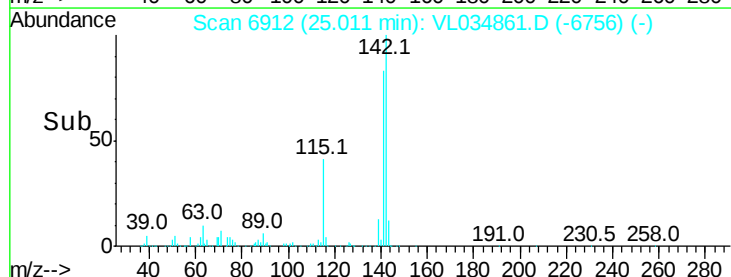
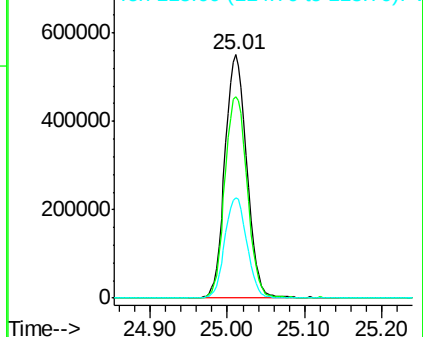
142 100

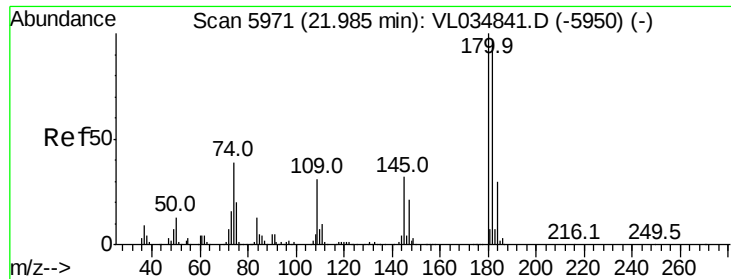
141 85.1 68.9 103.3

115 41.6 33.2 49.8



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

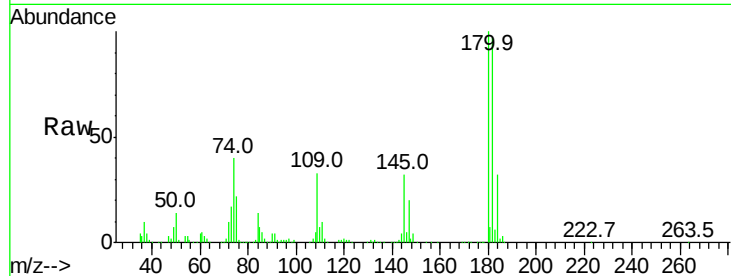




#81
 1,2,4-Trichlorobenzene
 Concen: 9.110 ppbv
 RT: 21.98 min Scan# 5970
 Delta R.T. -0.00 min
 Lab File: VL034861.D
 Acq: 10 Mar 2020 8:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:180 Resp: 1456328
 Ion Ratio Lower Upper
 180 100
 182 96.7 76.6 115.0
 184 31.2 25.0 37.4



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

