

Data File : VL034048.D
Acq On : 30 Jul 2019 2:07
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Jul 30 05:05:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL073019AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 30 05:02:48 2019
QLast Update : Tue Jul 30 05:02:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.72	49	1233065	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.25	114	4274449	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.18	117	3839652	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.52	95	2522016	8.00	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.00%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.05	85	2379147	9.184	ppbv 100
3) Chlorodifluoromethane	2.99	51	1525346	9.861	ppbv 100
4) Chloromethane	3.14	50	964741	10.607	ppbv 100
5) Vinyl Chloride	3.26	62	1060616	10.485	ppbv 100
6) Bromomethane	3.48	94	721909	11.766	ppbv 100
7) Chloroethane	3.57	64	445218	11.907	ppbv 100
8) Dichlorotetrafluoroethane	3.19	85	2723635	10.585	ppbv 100
9) Propene	3.01	41	570697	10.035	ppbv 100
10) Heptane	8.20	43	1374946	10.008	ppbv 100
11) Trichlorofluoromethane	3.97	101	3118729	10.432	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.52	101	1576393	7.924	ppbv 100
13) Ethanol	3.62	45	93984	5.260	ppbv # 49
14) Bromoethene	3.76	108	846881	10.904	ppbv 100
15) Acetone	3.87	43	2093529	9.702	ppbv 100
16) 1,3-Butadiene	3.34	39	968238	12.403	ppbv 100
17) tert-Butyl alcohol	4.32	59	1519423	9.244	ppbv 100
18) 1,1-Dichloroethene	4.31	96	767080	8.605	ppbv 100
19) Isopropyl Alcohol	3.99	45	1534843	10.582	ppbv 99
20) Methylene Chloride	4.37	84	636734	7.164	ppbv 100
21) Allyl Chloride	4.44	41	1099294	8.633	ppbv 100
22) trans-1,2-Dichloroethene	4.92	96	784508	9.238	ppbv 100
23) Vinyl Acetate	5.12	43	2001452	9.863	ppbv 100
24) 1,1-Dichloroethane	5.05	63	1672178	9.203	ppbv 100
25) Ethyl Acetate	5.72	43	2653599	9.472	ppbv 100
26) Hexane	5.74	57	1209849	9.426	ppbv 100
27) Carbon Disulfide	4.58	76	1900819	8.795	ppbv 100
28) Methyl tert-Butyl Ether	5.07	73	2141249	9.886	ppbv 100
29) Chloroform	5.80	83	2106053	8.746	ppbv 100
30) Cyclohexane	7.20	84	1313388	12.496	ppbv 100
31) cis-1,2-Dichloroethene	5.60	61	1254930	10.161	ppbv 100
32) 1,1,1-Trichloroethane	6.57	97	2062698	8.454	ppbv 100
34) 2-Butanone	5.29	43	1599430	7.549	ppbv 100
35) Carbon Tetrachloride	7.08	117	2181699	6.758	ppbv 100
36) Benzene	6.96	78	2362069	7.616	ppbv 100
37) 1,2-Dichloroethane	6.37	62	1655660	7.167	ppbv 100
38) Trichloroethene	7.92	130	1041951	7.377	ppbv 100
39) 1,2-Dichloropropane	7.69	63	562048	4.795	ppbv 100
40) 1,4-Dioxane	7.91	88	368495	6.894	ppbv 100
41) Tetrahydrofuran	6.10	42	832104	8.090	ppbv 100
42) Bromodichloromethane	7.87	83	2257993	7.308	ppbv 100
43) Methyl Methacrylate	8.09	69	962501	8.199	ppbv 100

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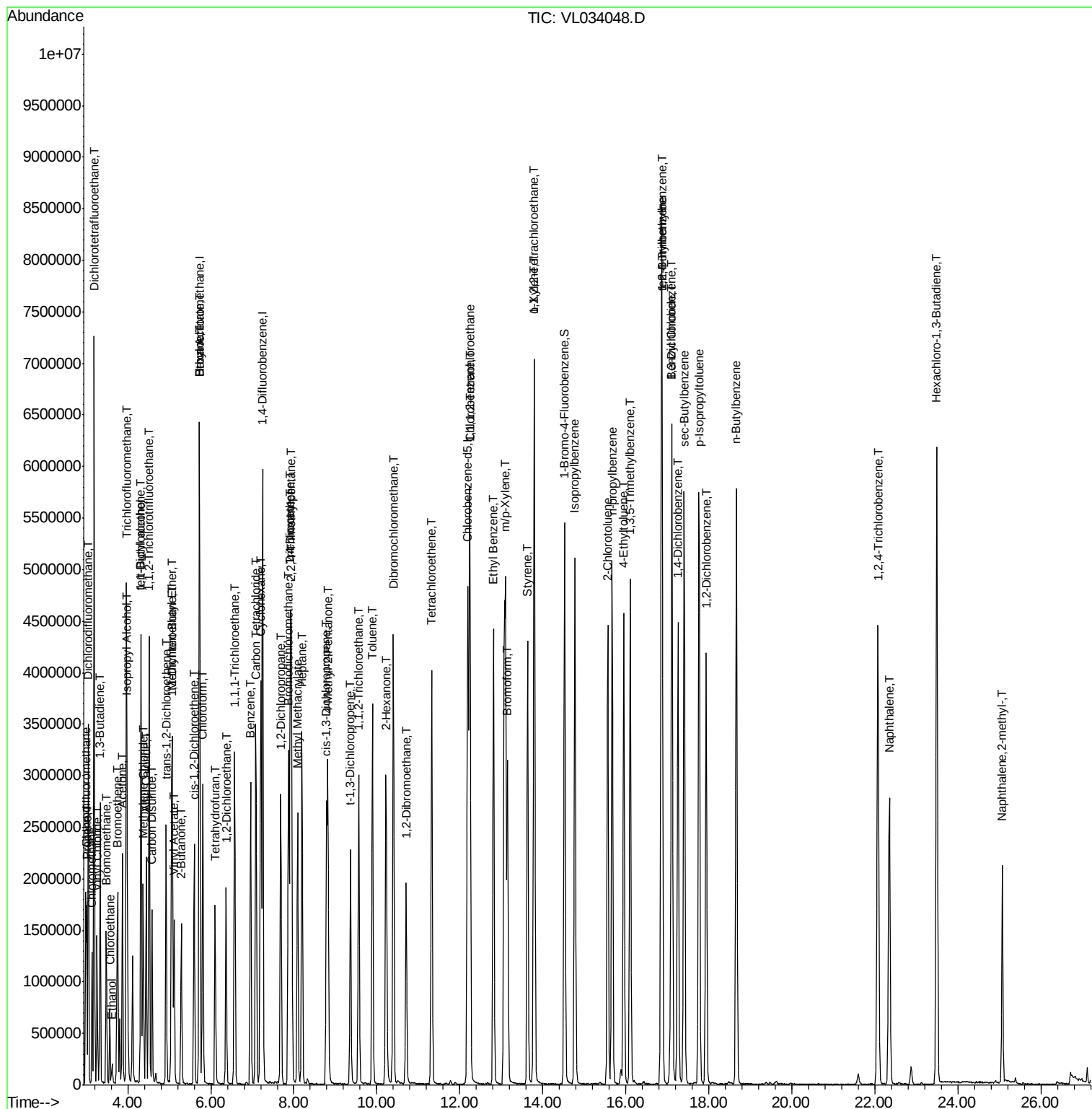
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.94	57	3993656	7.432	ppbv	100
45) t-1,3-Dichloropropene	9.37	75	1338255	8.811	ppbv	100
46) cis-1,3-Dichloropropene	8.79	75	1501570	8.482	ppbv	100
47) 1,1,2-Trichloroethane	9.56	97	1041013	7.141	ppbv	100
48) Dibromochloromethane	10.40	129	2682035	9.138	ppbv	100
49) Bromoform	13.15	173	1826569	7.679	ppbv	100
50) 4-Methyl-2-Pentanone	8.82	43	2376489	7.621	ppbv	100
51) 2-Hexanone	10.22	43	2718658	10.199	ppbv	100
52) Tetrachloroethene	11.32	164	985745	7.227	ppbv	100
53) Toluene	9.89	91	2910928	8.243	ppbv	100
54) 1,2-Dibromoethane	10.71	107	1589676	7.435	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.23	131	1302426	7.712	ppbv	100
57) Chlorobenzene	12.25	112	2283096	7.589	ppbv	100
58) Ethyl Benzene	12.81	91	4065681	8.945	ppbv	100
59) m/p-Xylene	13.10	91	3990373	9.691	ppbv #	52
60) o-Xylene	13.79	91	3417035	8.271	ppbv	100
61) Styrene	13.63	104	2519630	9.277	ppbv	100
62) Isopropylbenzene	14.78	105	4541331	7.611	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.79	83	2361346	7.364	ppbv	100
64) n-propylbenzene	15.67	120	1167303	7.564	ppbv	100
65) tert-Butylbenzene	16.86	119	4049817	8.051	ppbv	100
66) Benzyl Chloride	17.10	91	2269425	8.921	ppbv	100
67) sec-Butylbenzene	17.41	105	5687579	8.011	ppbv	100
69) p-Isopropyltoluene	17.76	119	4681621	8.019	ppbv	100
70) n-Butylbenzene	18.66	91	4918237	8.005	ppbv	100
71) 2-Chlorotoluene	15.56	91	3458042	7.958	ppbv	100
72) 4-Ethyltoluene	15.95	105	4063119	8.116	ppbv	99
73) 1,3,5-Trimethylbenzene	16.10	105	3870831	8.385	ppbv	100
74) 1,2,4-Trimethylbenzene	16.88	105	3961528	7.750	ppbv	100
75) 1,3-Dichlorobenzene	17.11	146	2358644	7.233	ppbv	100
76) 1,4-Dichlorobenzene	17.25	146	2312837	7.536	ppbv	100
77) 1,2-Dichlorobenzene	17.94	146	2217395	7.358	ppbv	100
78) Hexachloro-1,3-Butadiene	23.49	225	1824364	6.937	ppbv	100
79) Naphthalene	22.35	128	3660498	8.505	ppbv	100
80) Naphthalene,2-methyl-	25.07	142	1181163	7.581	ppbv	100
81) 1,2,4-Trichlorobenzene	22.07	180	2204672	7.924	ppbv	100

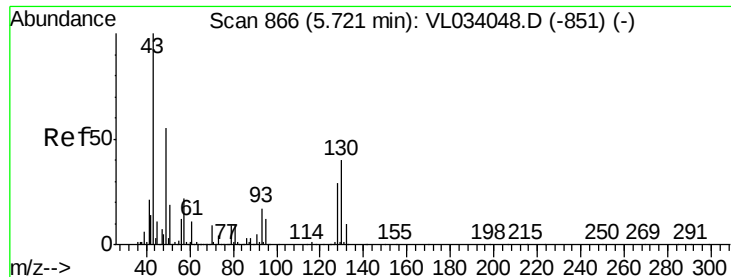
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.72 min Scan# 866

Delta R.T. 0.00 min

Lab File: VL034048.D

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Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

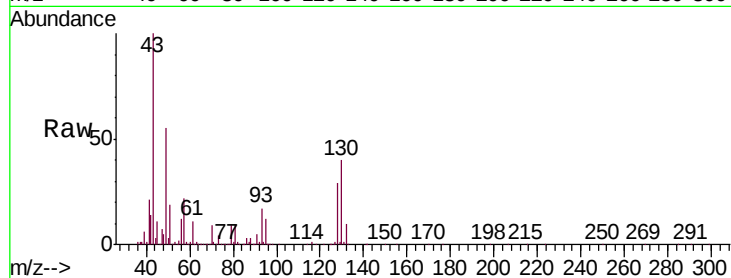
Tgt Ion: 49 Resp: 1233065

Ion Ratio Lower Upper

49 100

128 54.1 27.0 81.0

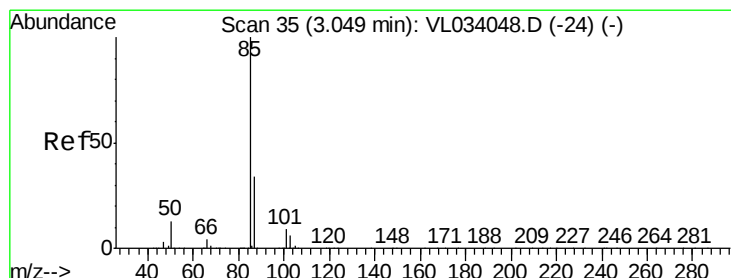
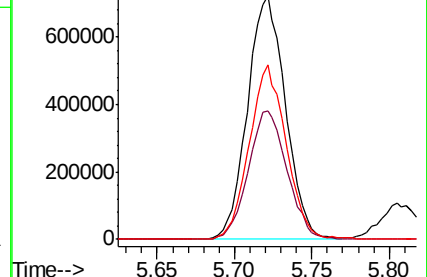
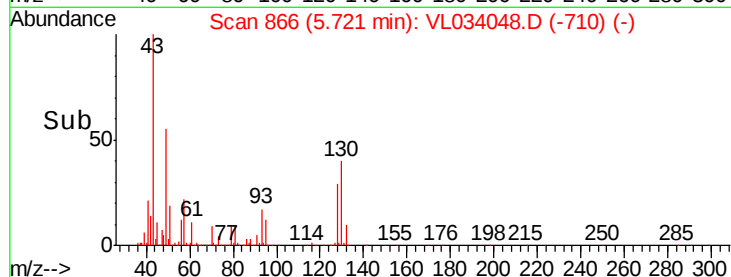
130 70.1 35.0 105.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.184 ppbv

RT: 3.05 min Scan# 35

Delta R.T. 0.00 min

Lab File: VL034048.D

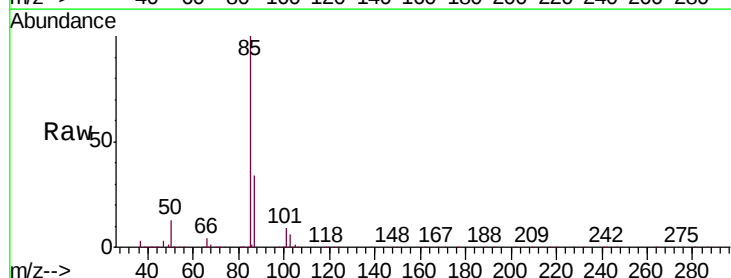
Acq: 30 Jul 2019 2:07

Tgt Ion: 85 Resp: 2379147

Ion Ratio Lower Upper

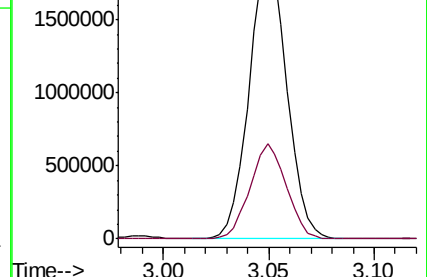
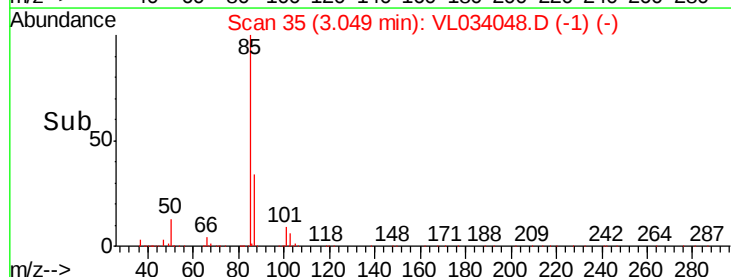
85 100

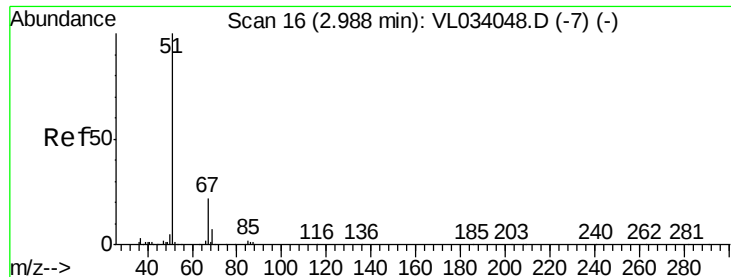
87 33.7 27.0 40.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

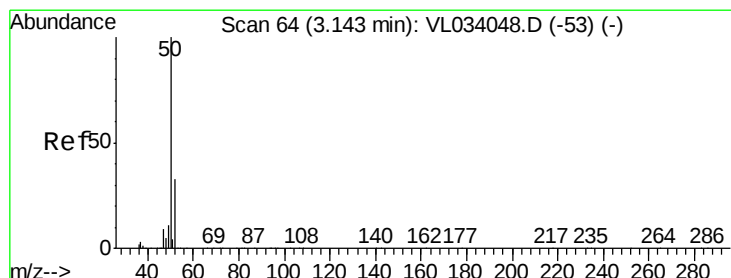
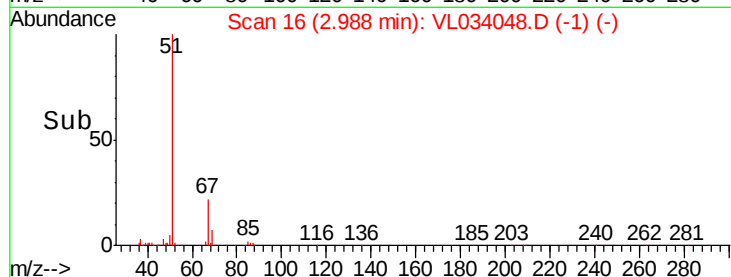
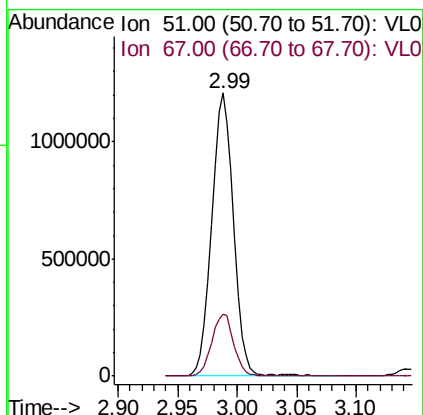
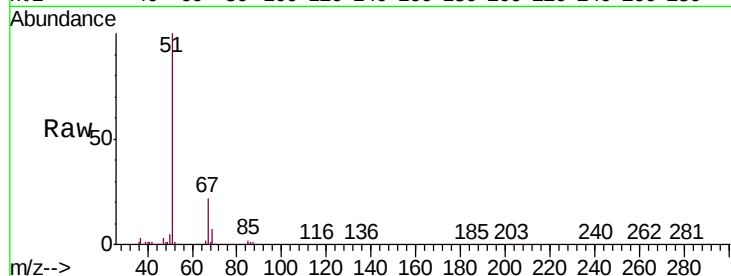




#3
 Chlorodifluoromethane
 Concen: 9.861 ppbv
 RT: 2.99 min Scan# 16
 Delta R.T. 0.00 min
 Lab File: VL034048.D
 Acq: 30 Jul 2019 2:07

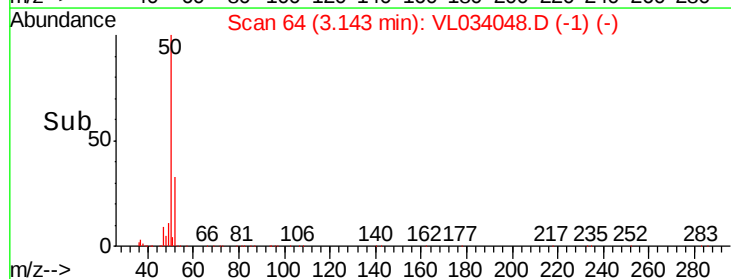
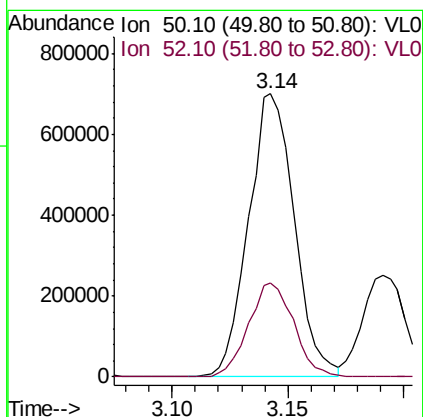
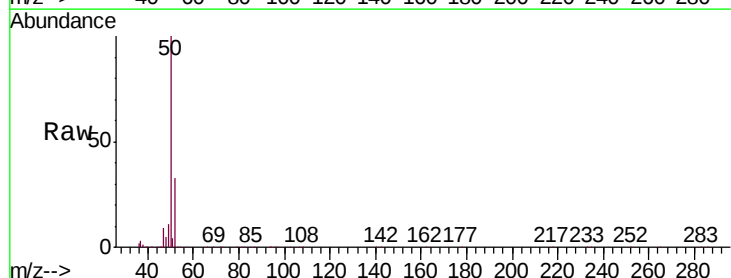
Instrument :
 MSVOA_L
 ClientSampleId :
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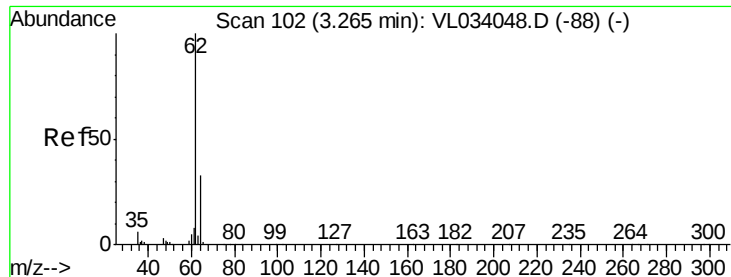
Tgt Ion: 51 Resp: 1525346
 Ion Ratio Lower Upper
 51 100
 67 21.7 17.4 26.0



#4
 Chloromethane
 Concen: 10.607 ppbv
 RT: 3.14 min Scan# 64
 Delta R.T. 0.00 min
 Lab File: VL034048.D
 Acq: 30 Jul 2019 2:07

Tgt Ion: 50 Resp: 964741
 Ion Ratio Lower Upper
 50 100
 52 33.4 26.7 40.1





#5

Vinyl Chloride

Concen: 10.485 ppbv

RT: 3.26 min Scan# 102

Delta R.T. 0.00 min

Lab File: VL034048.D

Acq: 30 Jul 2019 2:07

Instrument :

MSVOA_L

ClientSampleId :

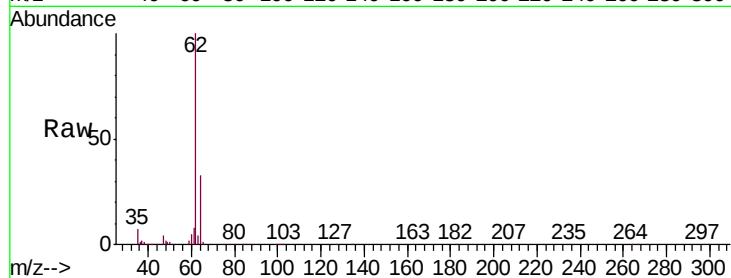
VSTDICCC010

Tgt Ion: 62 Resp: 1060616

Ion Ratio Lower Upper

62 100

64 33.1 26.5 39.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

800000

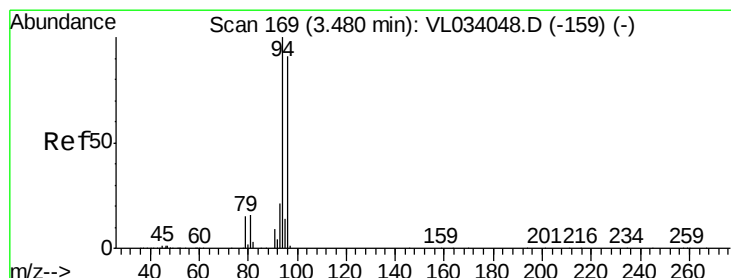
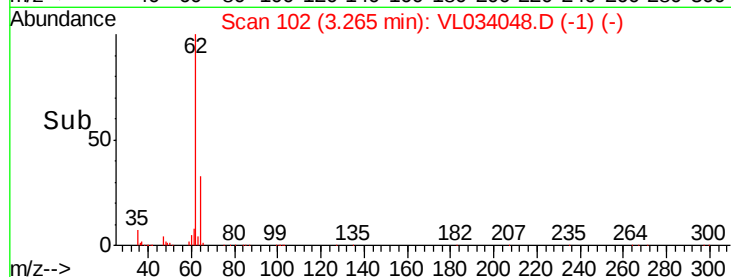
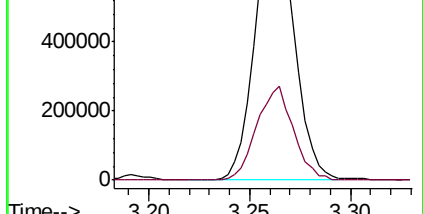
600000

400000

200000

0

3.20 3.25 3.30



#6

Bromomethane

Concen: 11.766 ppbv

RT: 3.48 min Scan# 169

Delta R.T. 0.00 min

Lab File: VL034048.D

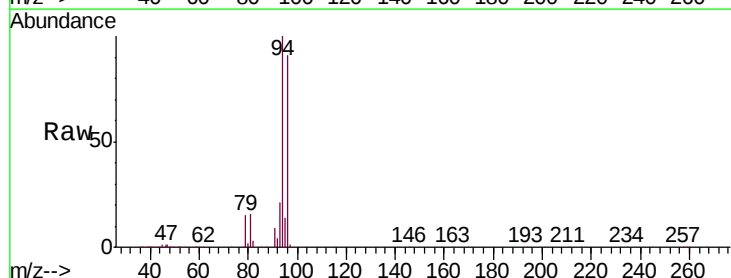
Acq: 30 Jul 2019 2:07

Tgt Ion: 94 Resp: 721909

Ion Ratio Lower Upper

94 100

96 90.7 72.6 108.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

600000

500000

400000

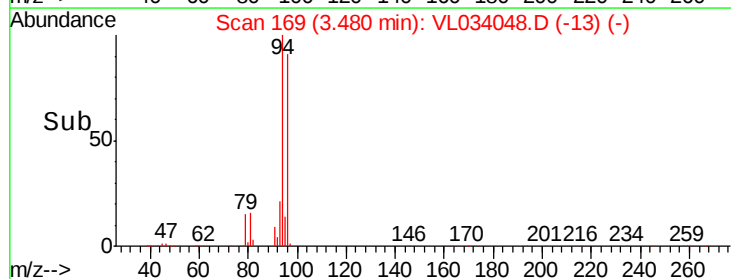
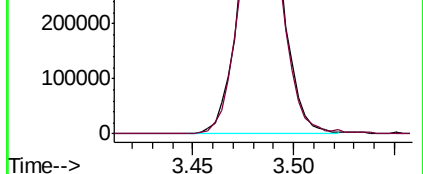
300000

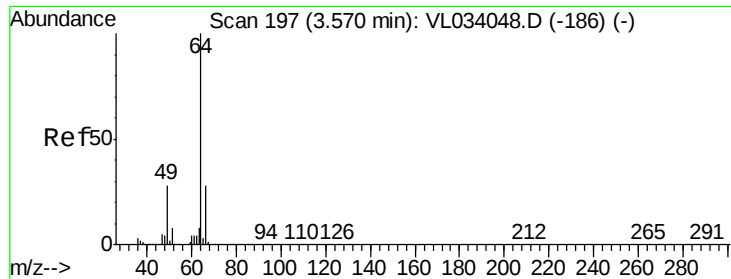
200000

100000

0

3.45 3.50





#7

Chloroethane

Concen: 11.907 ppbv

RT: 3.57 min Scan# 197

Delta R.T. 0.00 min

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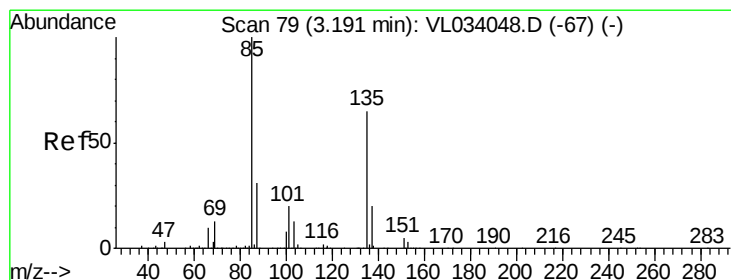
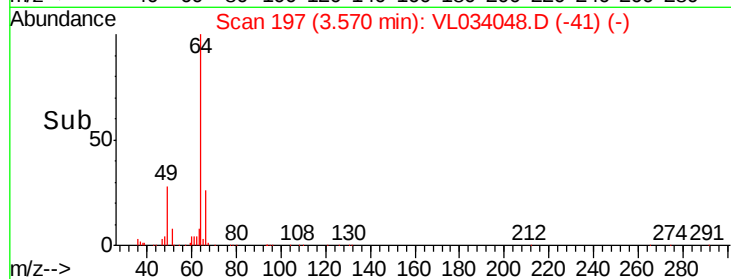
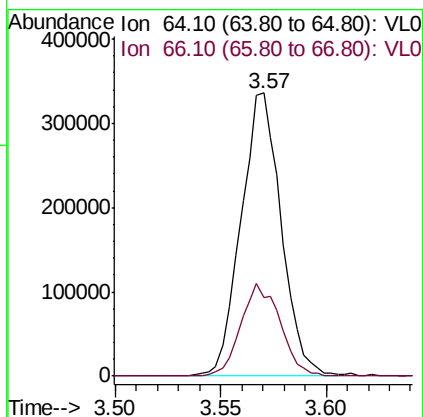
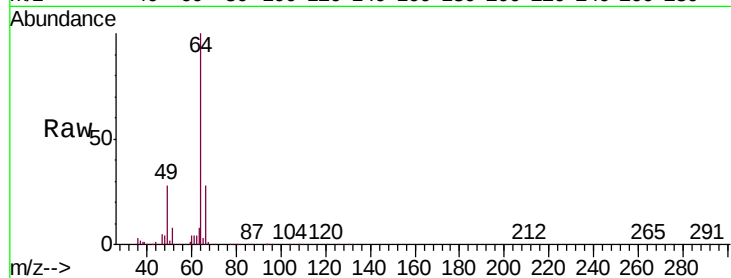
VSTDICCC010

Tgt Ion: 64 Resp: 445218

Ion Ratio Lower Upper

64 100

66 27.5 22.0 33.0



#8

Dichlorotetrafluoroethane

Concen: 10.585 ppbv

RT: 3.19 min Scan# 79

Delta R.T. 0.00 min

Lab File: VL034048.D

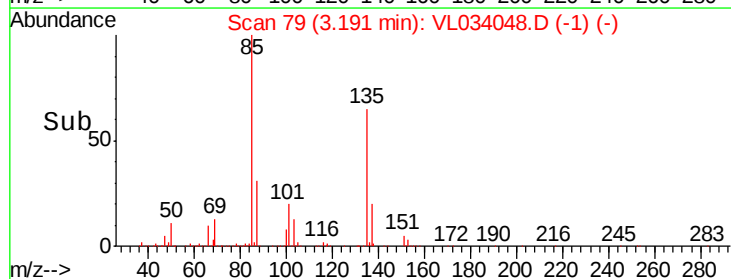
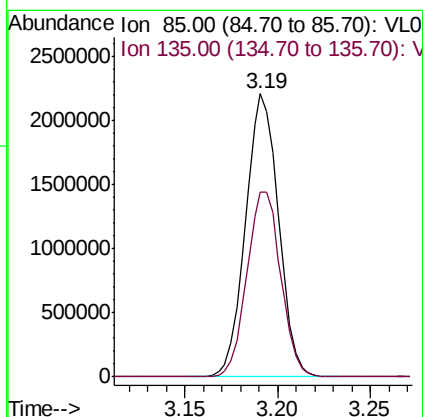
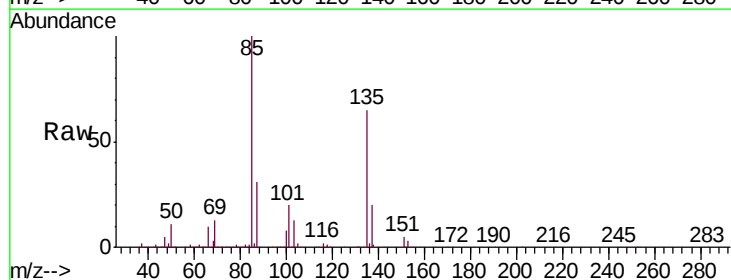
Acq: 30 Jul 2019 2:07

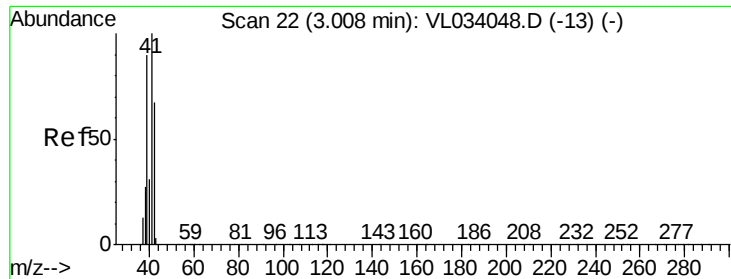
Tgt Ion: 85 Resp: 2723635

Ion Ratio Lower Upper

85 100

135 67.6 54.1 81.1





#9

Propene

Concen: 10.035 ppbv

RT: 3.01 min Scan# 22

Delta R.T. 0.00 min

Lab File: VL034048.D

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ClientSampleId :

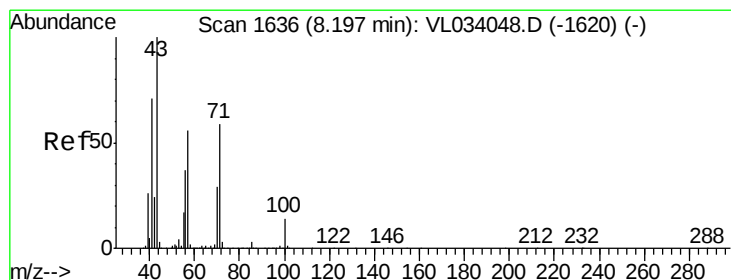
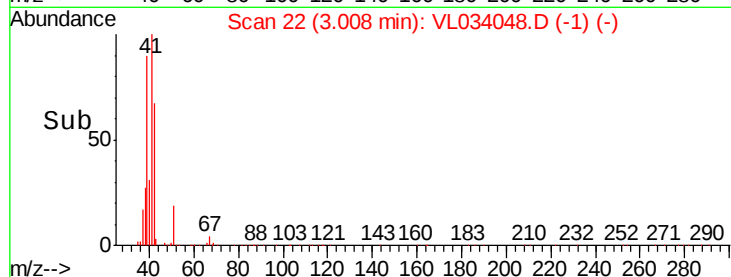
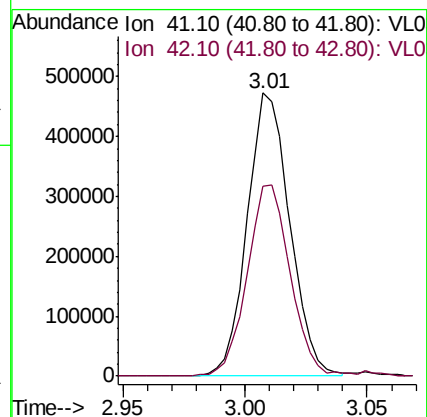
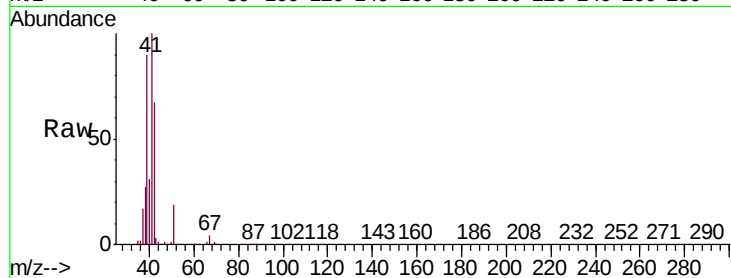
VSTDICCC010

Tgt Ion: 41 Resp: 570697

Ion Ratio Lower Upper

41 100

42 69.3 55.4 83.2



#10

Heptane

Concen: 10.008 ppbv

RT: 8.20 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VL034048.D

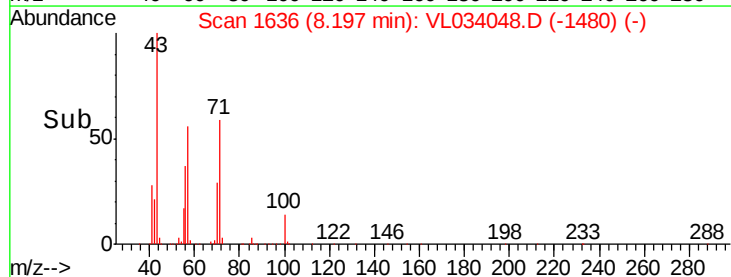
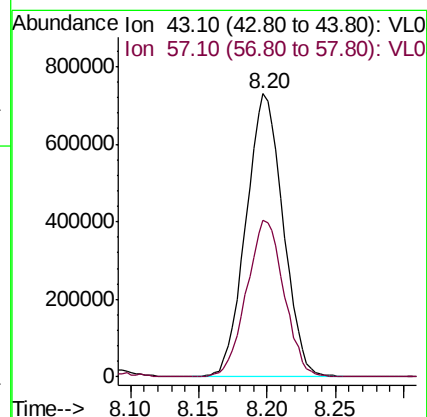
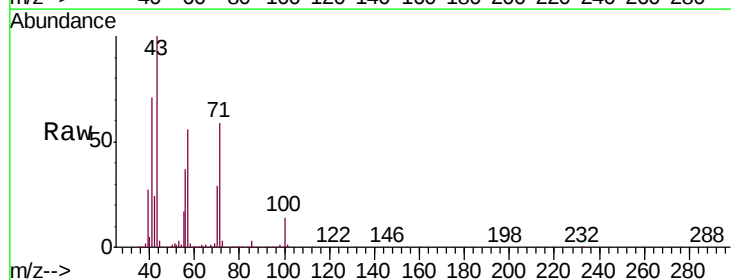
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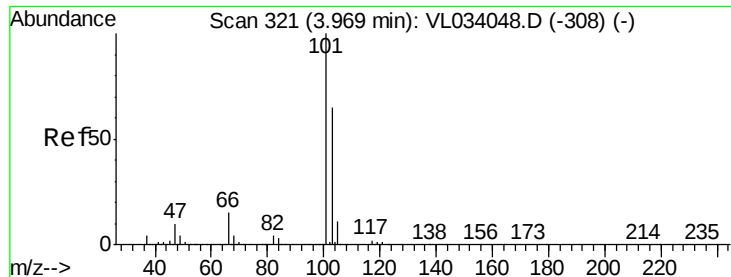
Tgt Ion: 43 Resp: 1374946

Ion Ratio Lower Upper

43 100

57 56.0 44.8 67.2

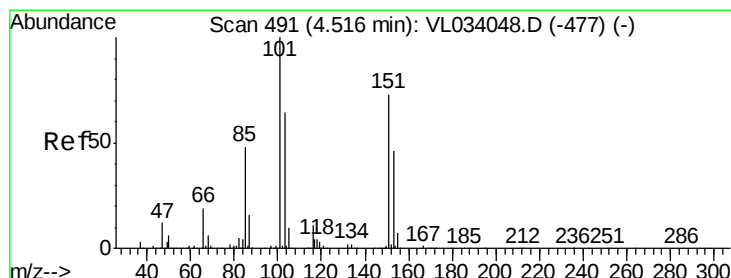
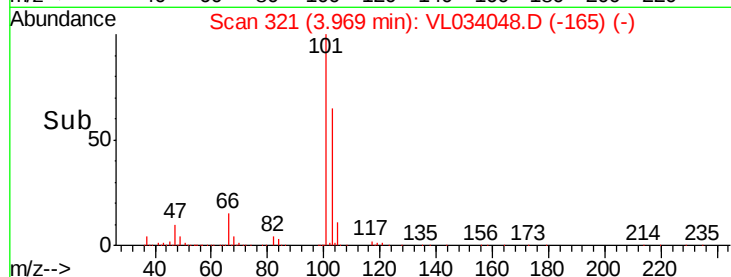
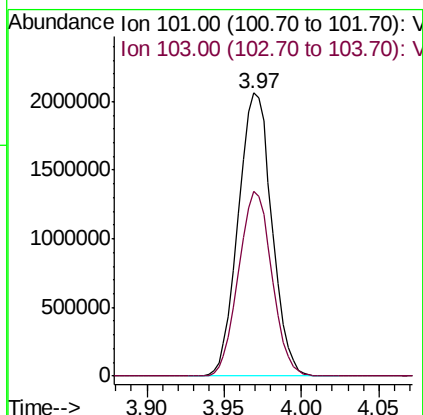
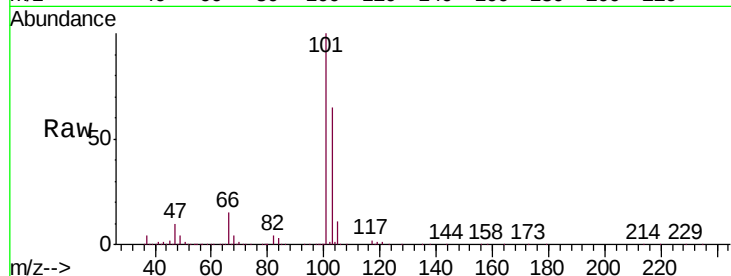




#11
 Trichlorofluoromethane
 Concen: 10.432 ppbv
 RT: 3.97 min Scan# 321
 Delta R.T. 0.00 min
 Lab File: VL034048.D
 Acq: 30 Jul 2019 2:07

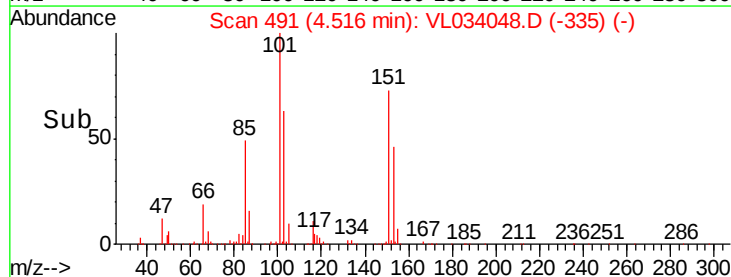
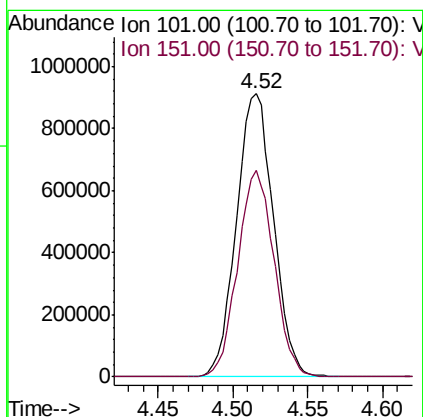
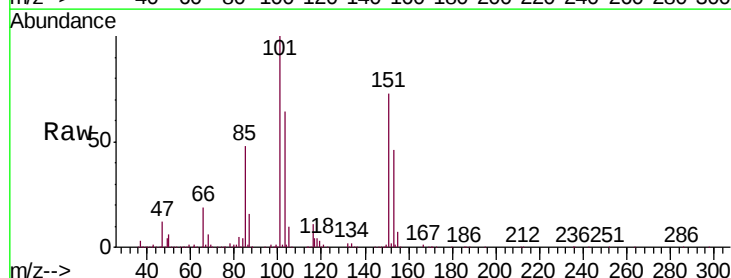
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

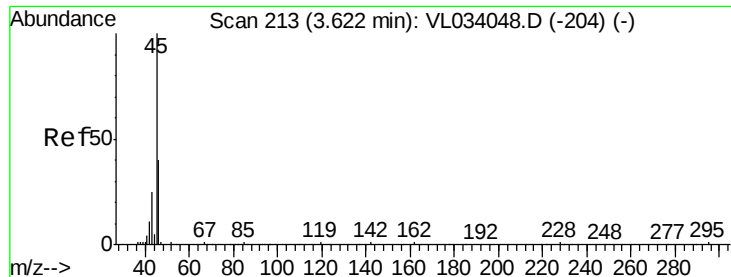
Tgt Ion:101 Resp: 3118729
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.3 78.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 7.924 ppbv
 RT: 4.52 min Scan# 491
 Delta R.T. 0.00 min
 Lab File: VL034048.D
 Acq: 30 Jul 2019 2:07

Tgt Ion:101 Resp: 1576393
 Ion Ratio Lower Upper
 101 100
 151 71.6 57.3 85.9





#13

Ethanol

Concen: 5.260 ppbv

RT: 3.62 min Scan# 213

Delta R.T. 0.00 min

Lab File: VL034048.D

Acq: 30 Jul 2019 2:07

Instrument :

MSVOA_L

ClientSampleId :

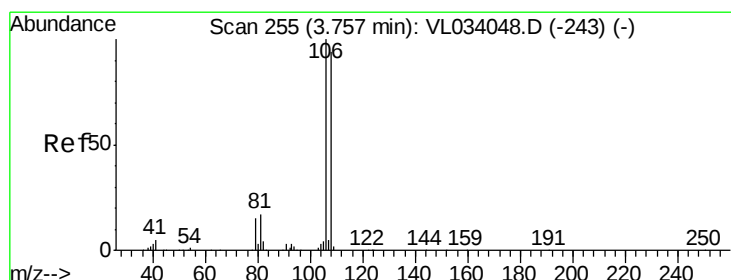
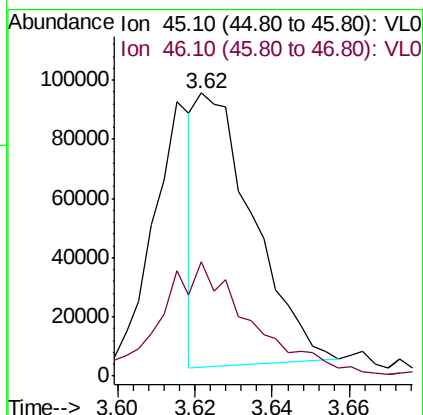
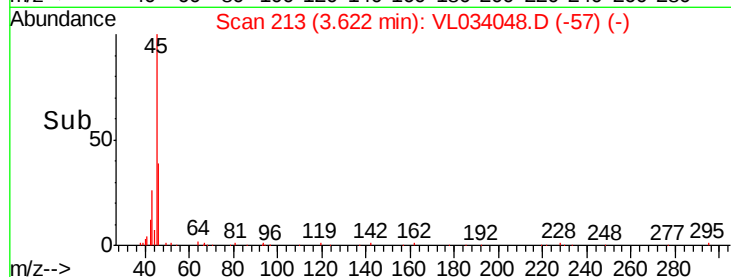
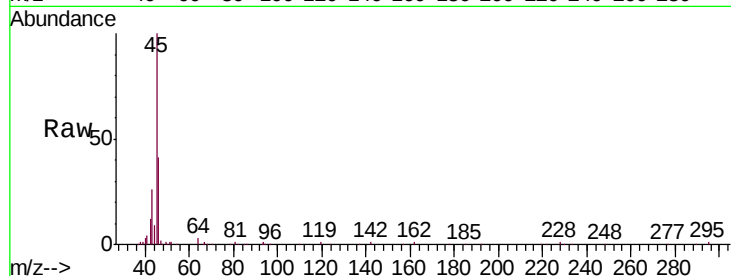
VSTDICCC010

Tgt Ion: 45 Resp: 93984

Ion Ratio Lower Upper

45 100

46 69.8 15.6 62.2#



#14

Bromoethene

Concen: 10.904 ppbv

RT: 3.76 min Scan# 255

Delta R.T. 0.00 min

Lab File: VL034048.D

Acq: 30 Jul 2019 2:07

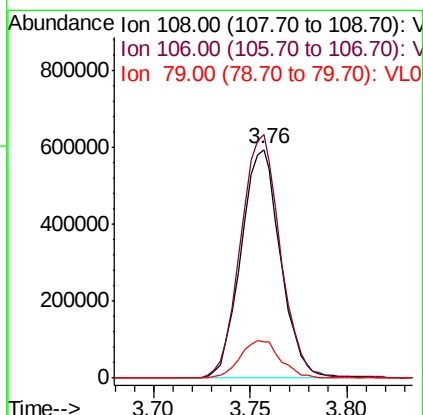
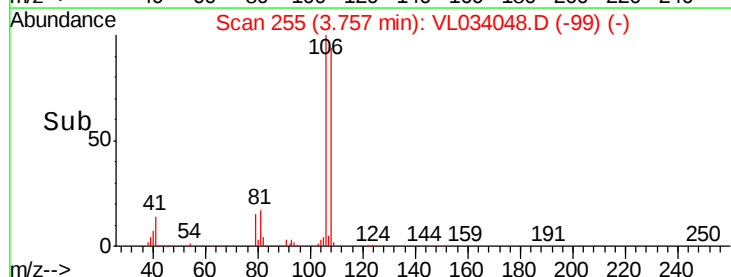
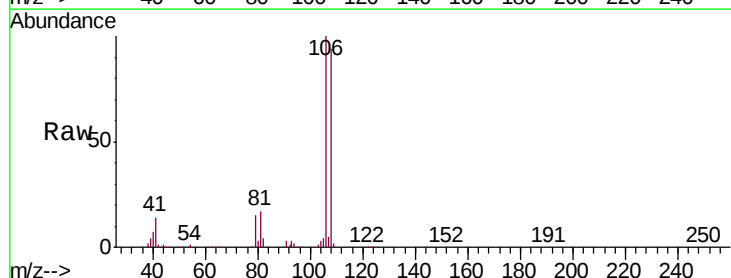
Tgt Ion: 108 Resp: 846881

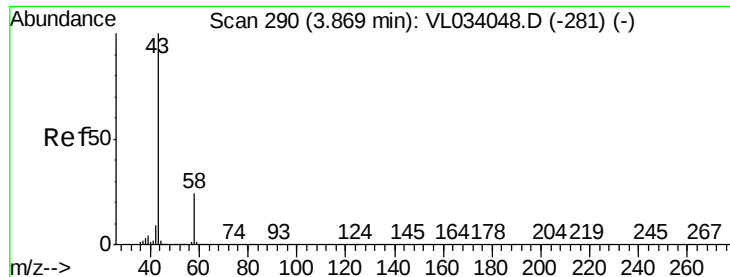
Ion Ratio Lower Upper

108 100

106 107.8 86.2 129.2

79 17.1 13.7 20.5





#15

Acetone

Concen: 9.702 ppbv

RT: 3.87 min Scan# 290

Delta R.T. 0.00 min

Lab File: VL034048.D

Acq: 30 Jul 2019 2:07

Instrument :

MSVOA_L

ClientSampleId :

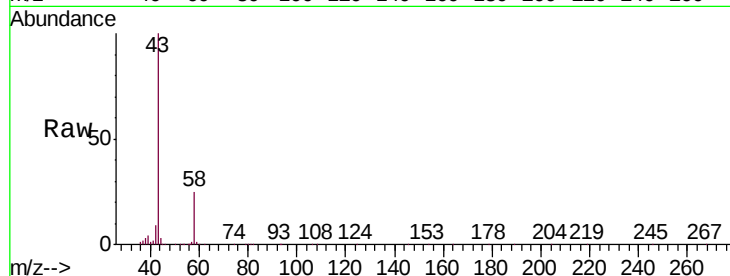
VSTDICCC010

Tgt Ion: 43 Resp: 2093529

Ion Ratio Lower Upper

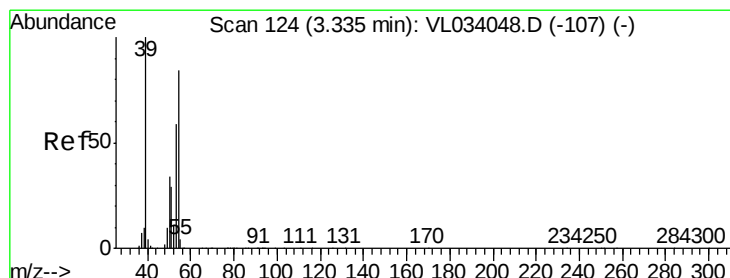
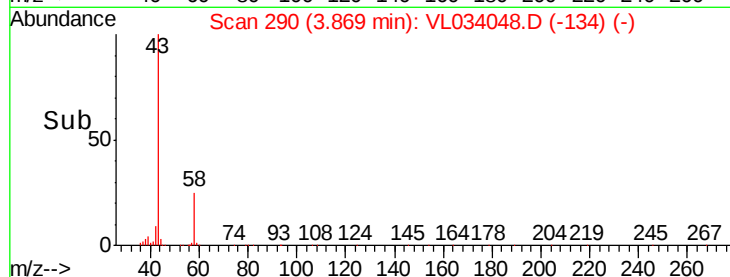
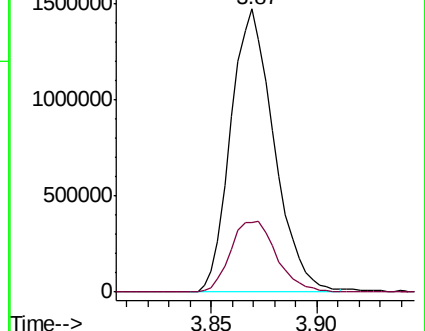
43 100

58 26.9 21.6 32.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 12.403 ppbv

RT: 3.34 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL034048.D

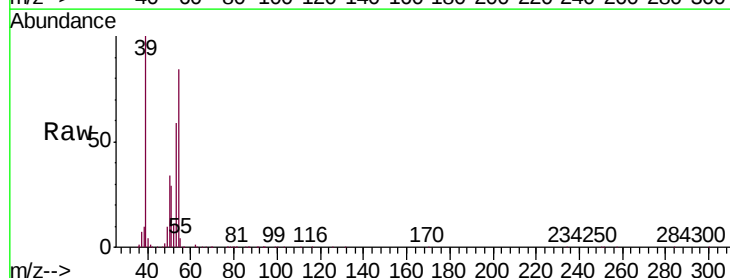
Acq: 30 Jul 2019 2:07

Tgt Ion: 39 Resp: 968238

Ion Ratio Lower Upper

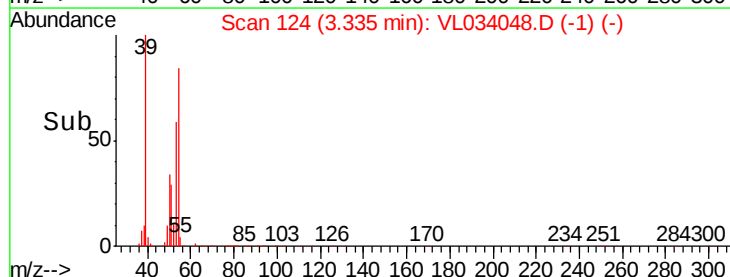
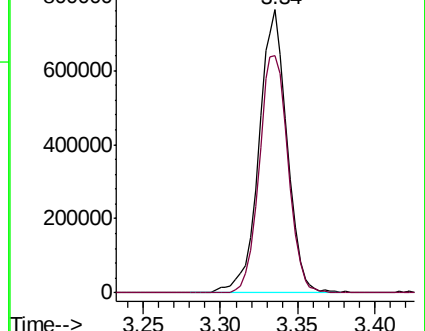
39 100

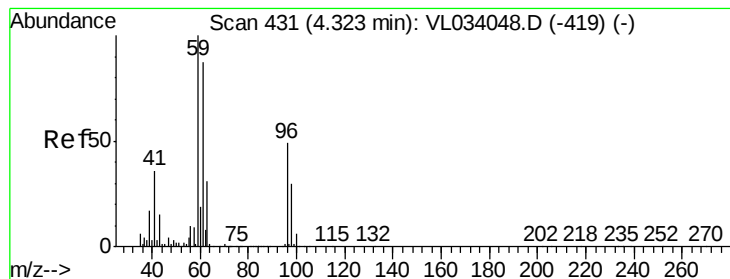
54 86.1 68.9 103.3



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



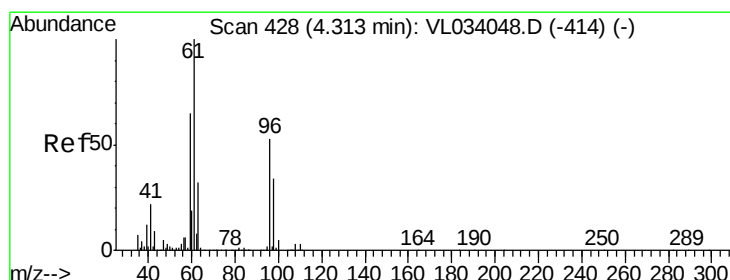
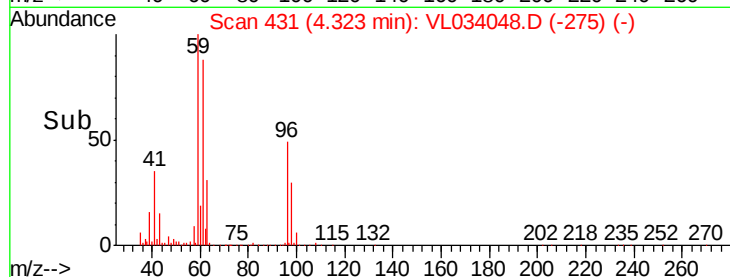
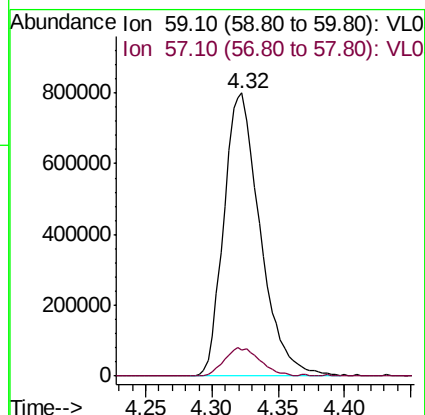
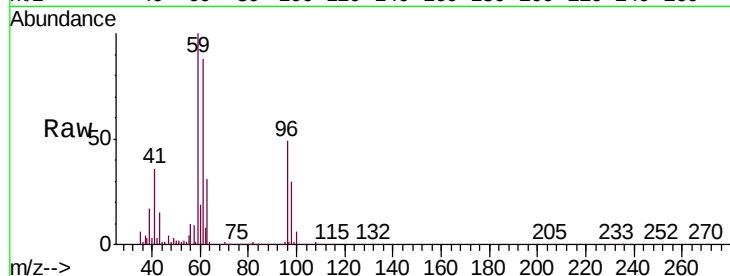


#17

tert-Butyl alcohol
Concen: 9.244 ppbv
RT: 4.32 min Scan# 431
Delta R.T. 0.00 min
Lab File: VL034048.D
Acq: 30 Jul 2019 2:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

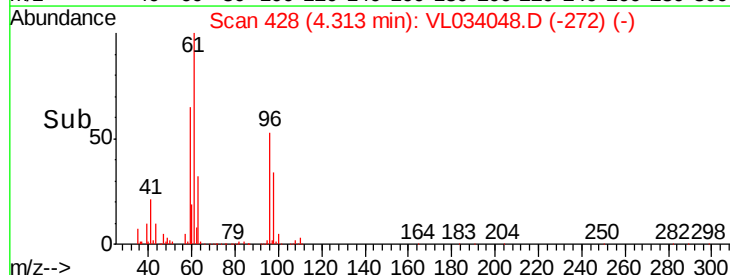
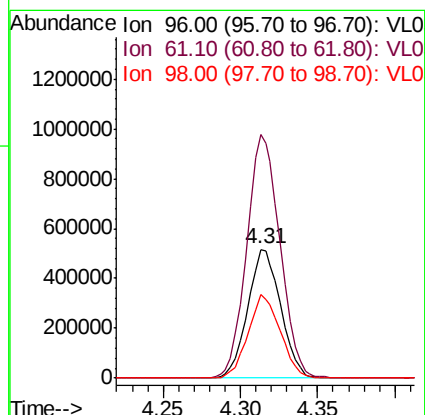
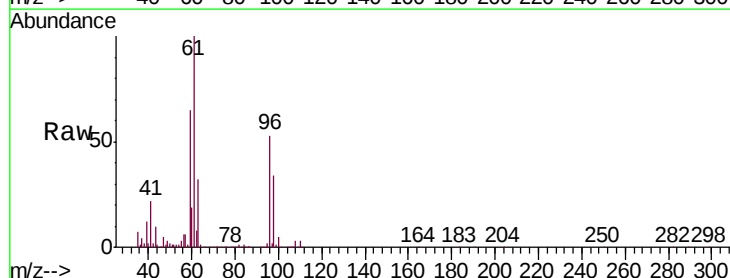
Tgt Ion: 59 Resp: 1519423
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.4

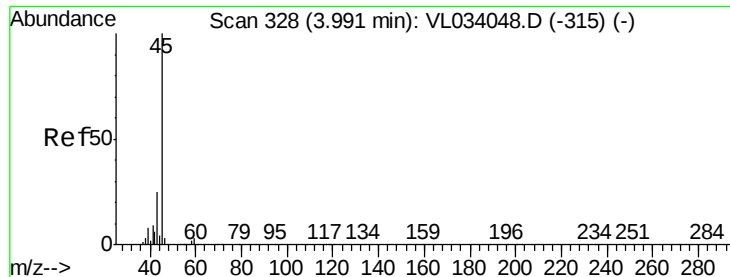


#18

1,1-Dichloroethene
Concen: 8.605 ppbv
RT: 4.31 min Scan# 428
Delta R.T. 0.00 min
Lab File: VL034048.D
Acq: 30 Jul 2019 2:07

Tgt Ion: 96 Resp: 767080
Ion Ratio Lower Upper
96 100
61 189.4 151.5 227.3
98 65.2 52.2 78.2



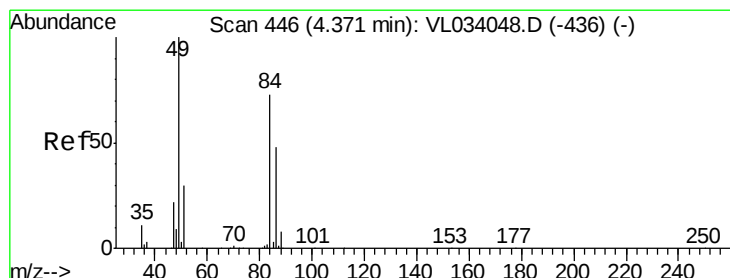
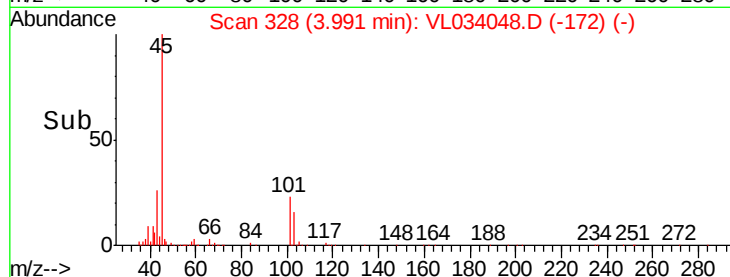
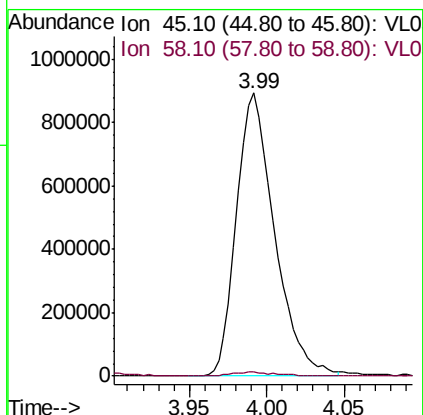
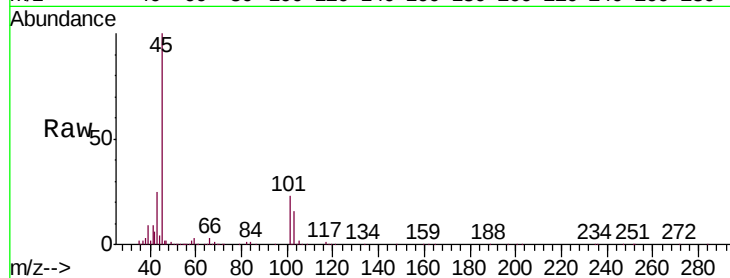


#19

Isopropyl Alcohol
 Concen: 10.582 ppbv
 RT: 3.99 min Scan# 328
 Delta R.T. 0.00 min
 Lab File: VL034048.D
 Acq: 30 Jul 2019 2:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

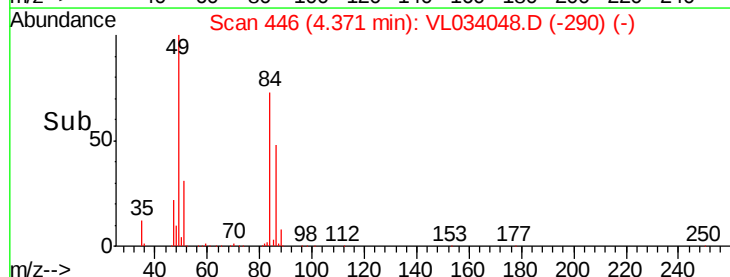
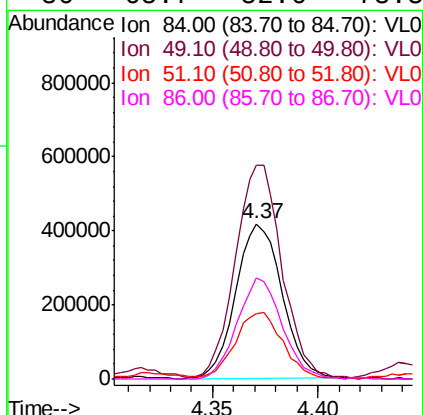
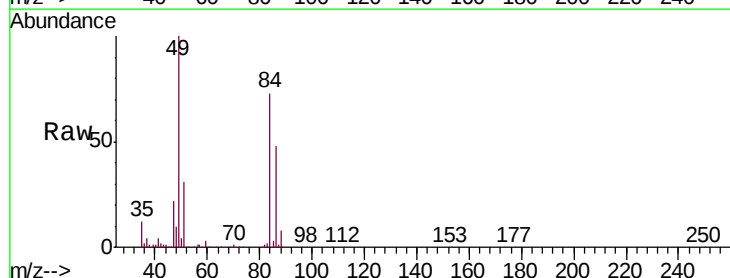
Tgt Ion: 45 Resp: 1534843
 Ion Ratio Lower Upper
 45 100
 58 2.0 1.8 2.6

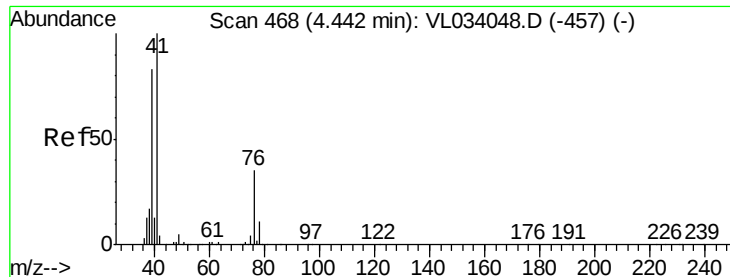


#20

Methylene Chloride
 Concen: 7.164 ppbv
 RT: 4.37 min Scan# 446
 Delta R.T. 0.00 min
 Lab File: VL034048.D
 Acq: 30 Jul 2019 2:07

Tgt Ion: 84 Resp: 636734
 Ion Ratio Lower Upper
 84 100
 49 137.0 109.6 164.4
 51 41.8 33.4 50.2
 86 65.7 52.6 78.8

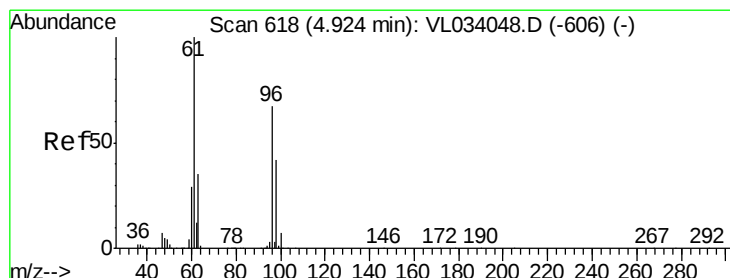
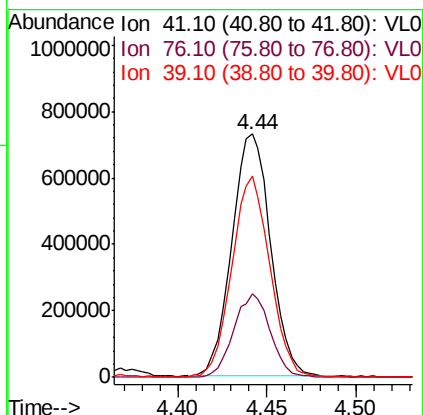
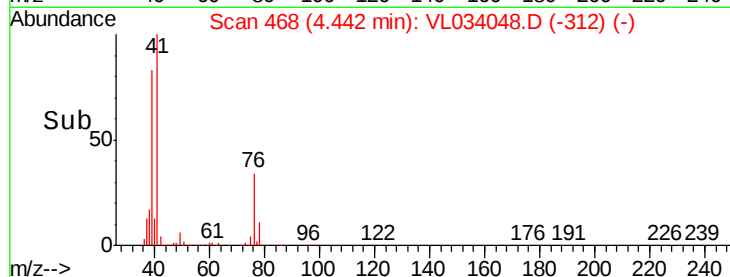
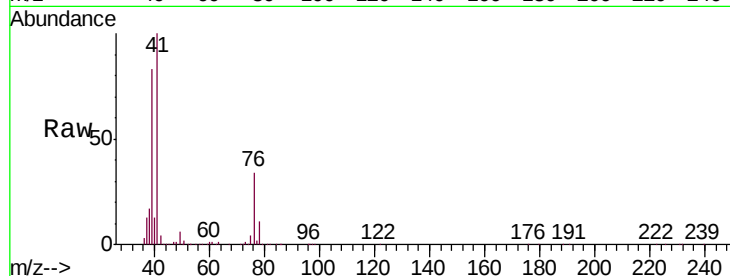




#21
 Allyl Chloride
 Concen: 8.633 ppbv
 RT: 4.44 min Scan# 468
 Delta R.T. 0.00 min
 Lab File: VL034048.D
 Acq: 30 Jul 2019 2:07

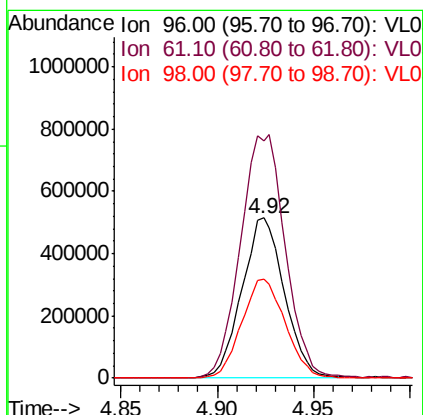
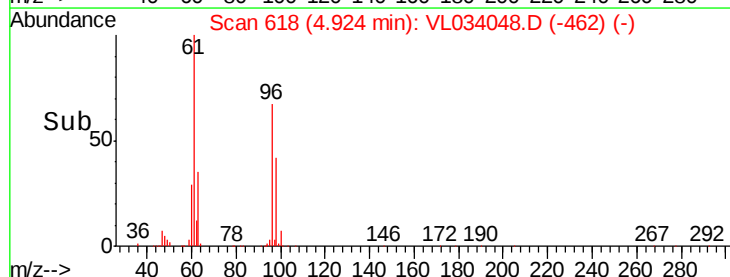
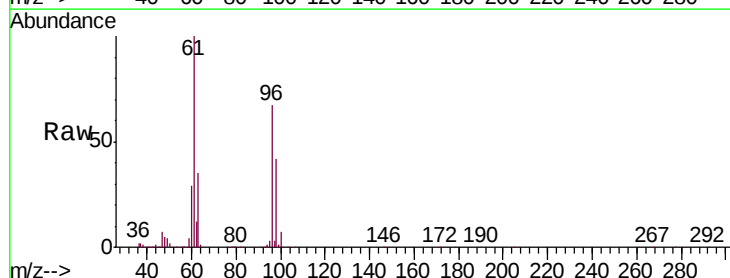
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

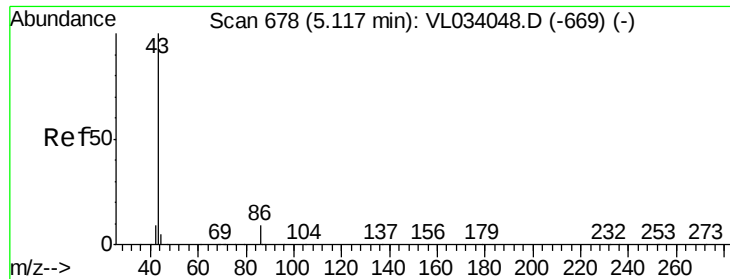
Tgt Ion: 41 Resp: 1099294
 Ion Ratio Lower Upper
 41 100
 76 32.6 26.1 39.1
 39 81.7 65.0 97.6



#22
 trans-1,2-Dichloroethene
 Concen: 9.238 ppbv
 RT: 4.92 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: VL034048.D
 Acq: 30 Jul 2019 2:07

Tgt Ion: 96 Resp: 784508
 Ion Ratio Lower Upper
 96 100
 61 148.2 118.6 177.8
 98 62.1 49.7 74.5





#23

Vinyl Acetate

Concen: 9.863 ppbv

RT: 5.12 min Scan# 678

Delta R.T. 0.00 min

Lab File: VL034048.D

Acq: 30 Jul 2019 2:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 2001452

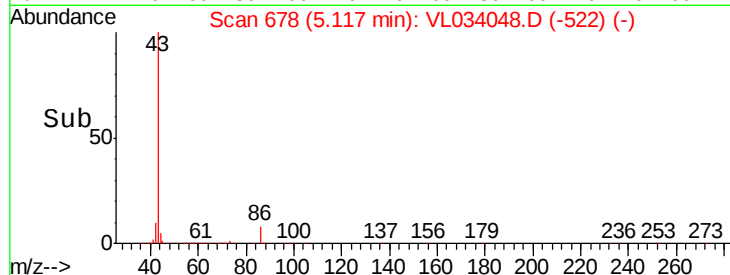
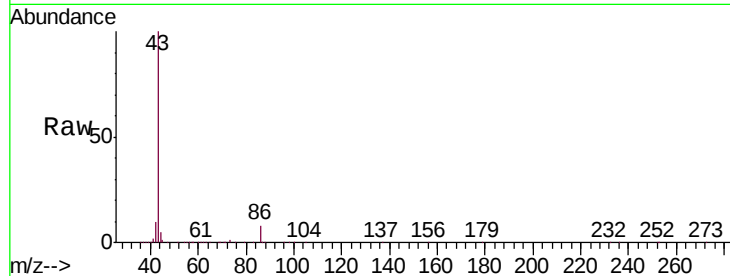
Ion	Ratio	Lower	Upper
43	100		
86	8.1	6.5	9.7
42	10.4	8.3	12.5
44	5.0	4.0	6.0

43 100

86 8.1 6.5 9.7

42 10.4 8.3 12.5

44 5.0 4.0 6.0

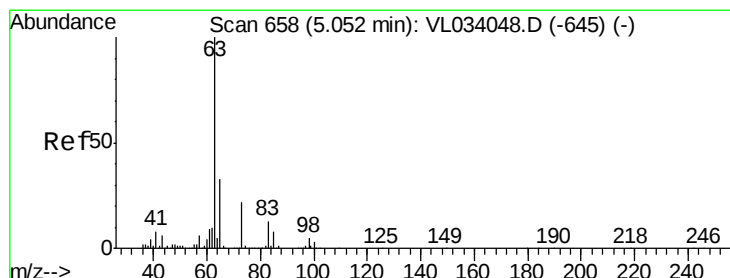
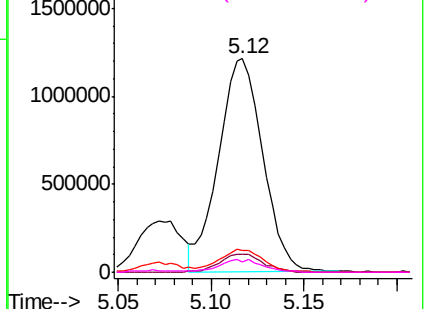


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.203 ppbv

RT: 5.05 min Scan# 658

Delta R.T. 0.00 min

Lab File: VL034048.D

Acq: 30 Jul 2019 2:07

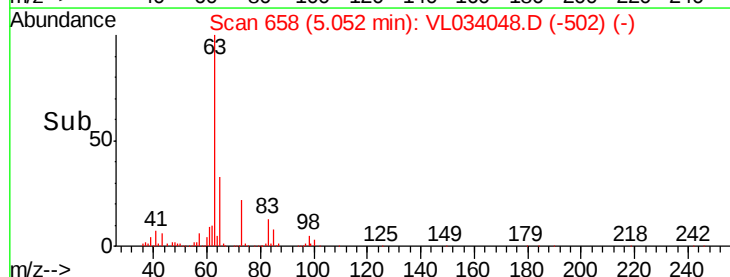
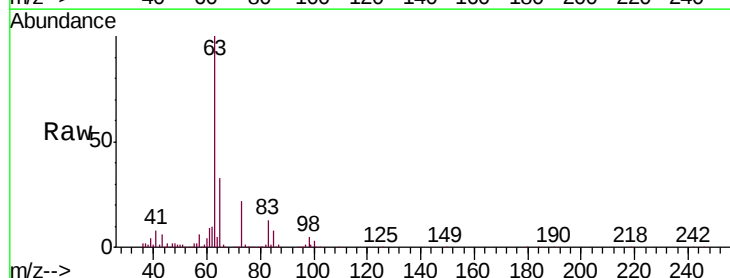
Tgt Ion: 63 Resp: 1672178

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.4	7.2
100	2.6	1.3	3.9

63 100

98 4.8 2.4 7.2

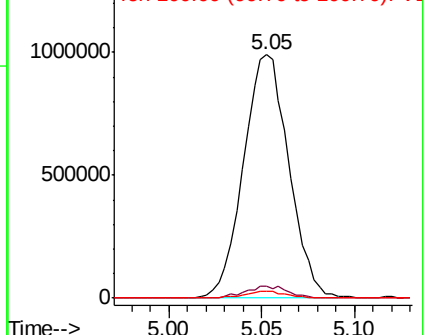
100 2.6 1.3 3.9

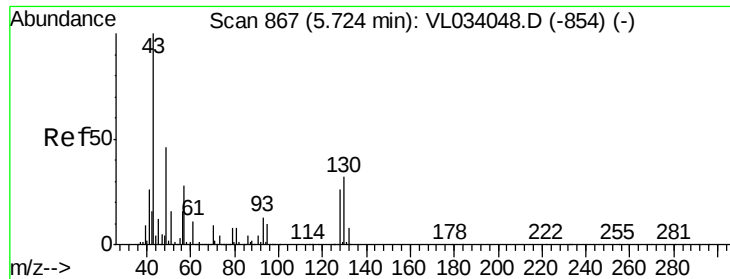


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



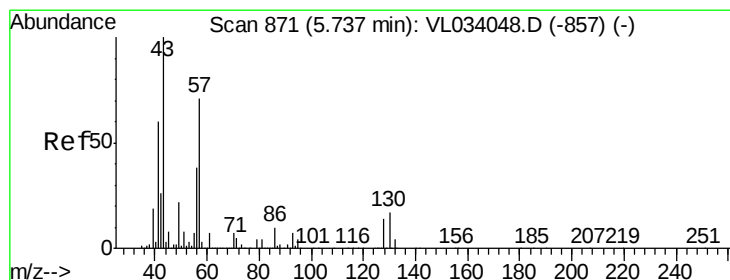
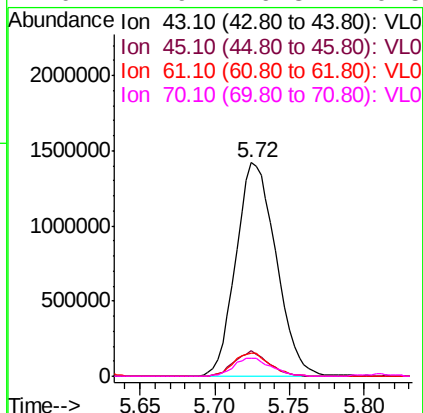
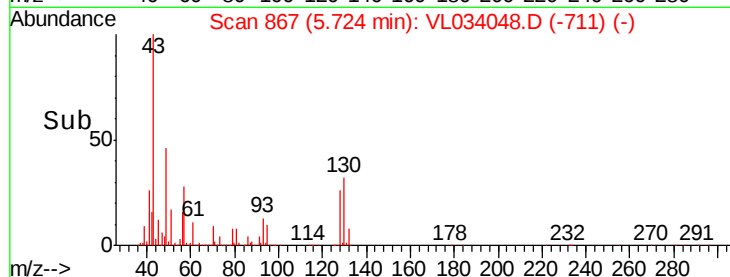
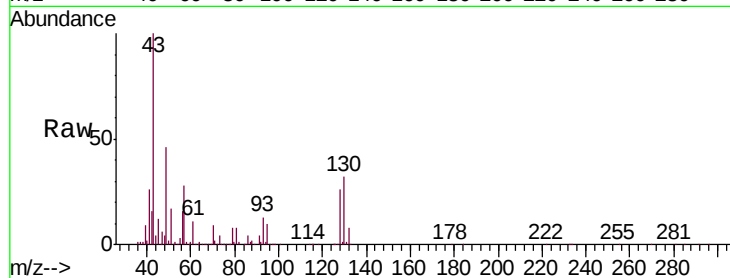


#25
Ethyl Acetate
Concen: 9.472 ppbv
RT: 5.72 min Scan# 867
Delta R.T. 0.00 min
Lab File: VL034048.D
Acq: 30 Jul 2019 2:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 2653599

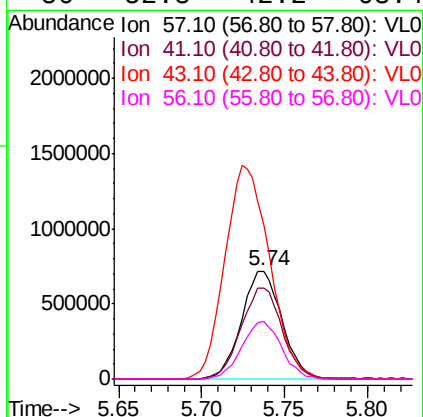
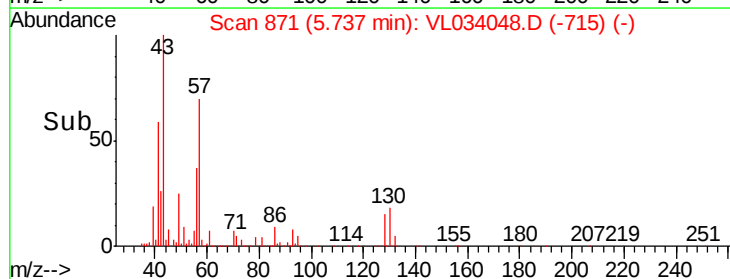
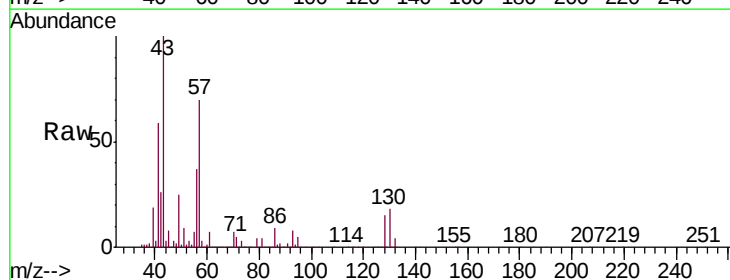
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.1	12.1
61	10.1	8.1	12.1
70	7.9	6.3	9.5

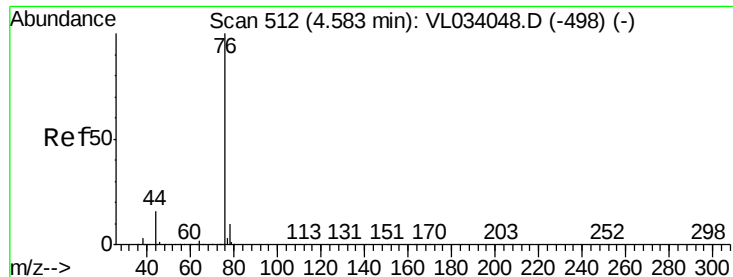


#26
Hexane
Concen: 9.426 ppbv
RT: 5.74 min Scan# 871
Delta R.T. 0.00 min
Lab File: VL034048.D
Acq: 30 Jul 2019 2:07

Tgt Ion: 57 Resp: 1209849

Ion	Ratio	Lower	Upper
57	100		
41	86.3	69.0	103.6
43	220.7	176.6	264.8
56	52.8	42.2	63.4





#27

Carbon Disulfide

Concen: 8.795 ppbv

RT: 4.58 min Scan# 512

Delta R.T. 0.00 min

Lab File: VL034048.D

Acq: 30 Jul 2019 2:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

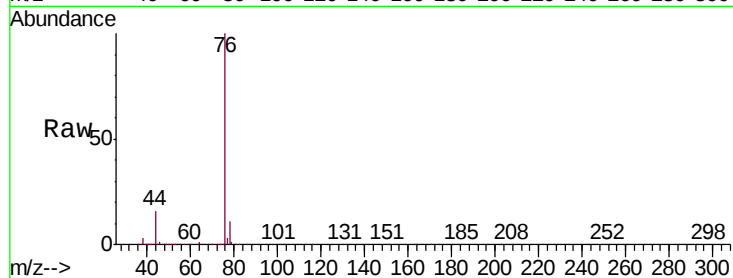
Tgt Ion: 76 Resp: 1900819

Ion Ratio Lower Upper

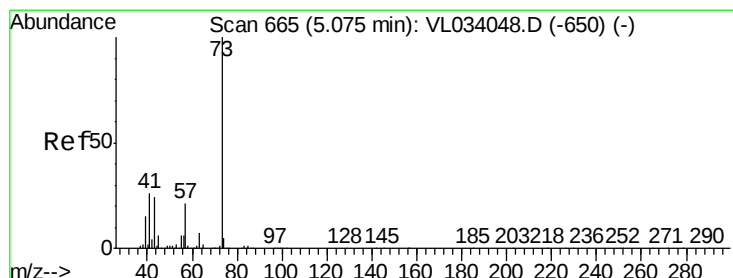
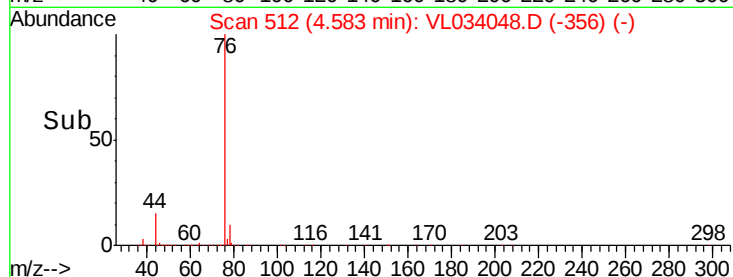
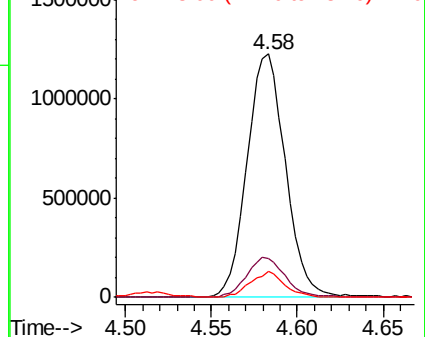
76 100

44 16.2 13.0 19.4

78 9.6 7.7 11.5



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: 9.886 ppbv

RT: 5.07 min Scan# 665

Delta R.T. 0.00 min

Lab File: VL034048.D

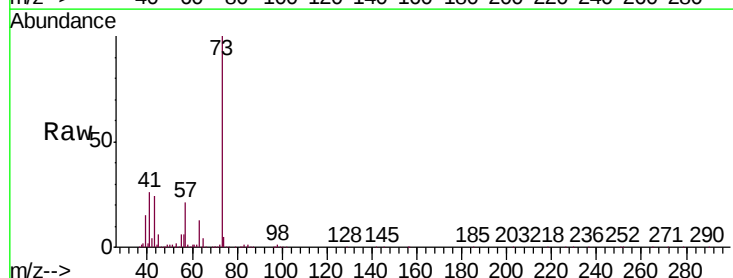
Acq: 30 Jul 2019 2:07

Tgt Ion: 73 Resp: 2141249

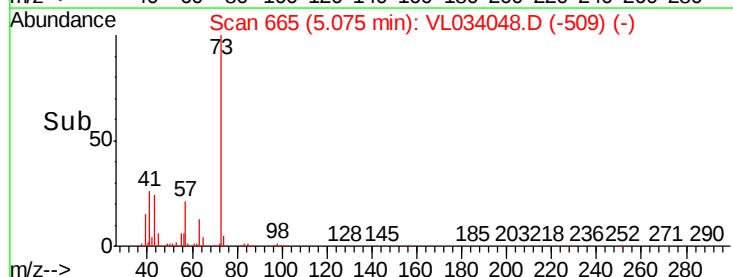
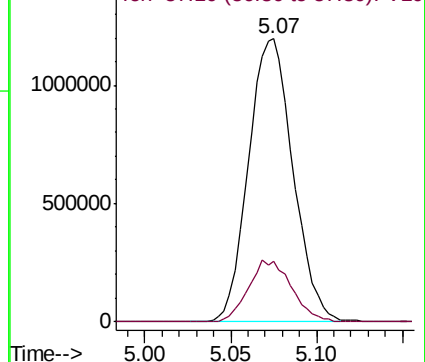
Ion Ratio Lower Upper

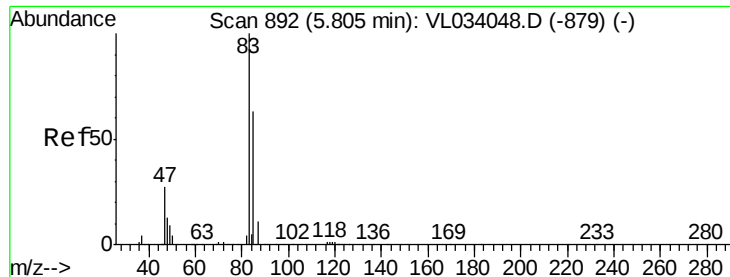
73 100

57 21.5 17.2 25.8



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





#29

Chloroform

Concen: 8.746 ppbv

RT: 5.80 min Scan# 892

Delta R.T. 0.00 min

Lab File: VL034048.D

Acq: 30 Jul 2019 2:07

Instrument :

MSVOA_L

ClientSampleId :

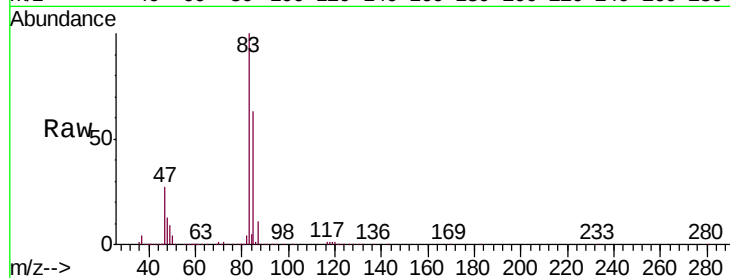
VSTDICCC010

Tgt Ion: 83 Resp: 2106053

Ion Ratio Lower Upper

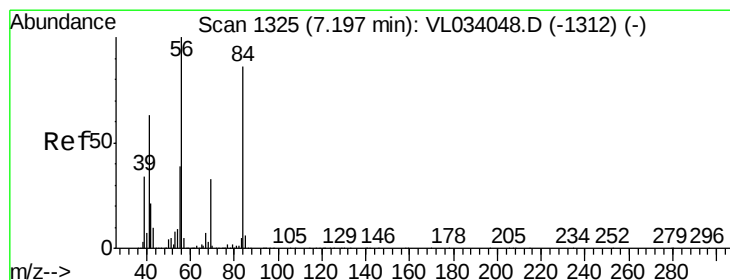
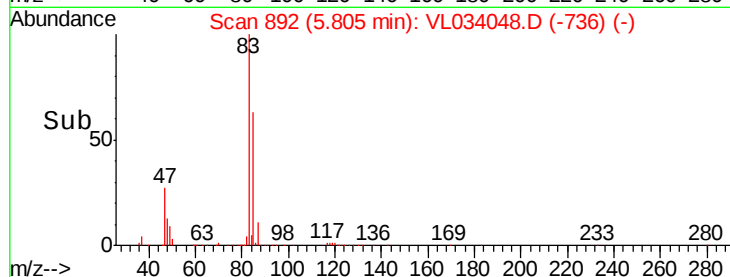
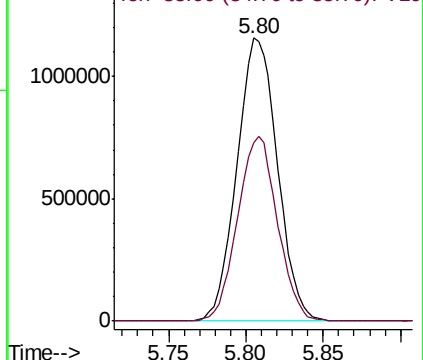
83 100

85 62.8 50.2 75.4



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 12.496 ppbv

RT: 7.20 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VL034048.D

Acq: 30 Jul 2019 2:07

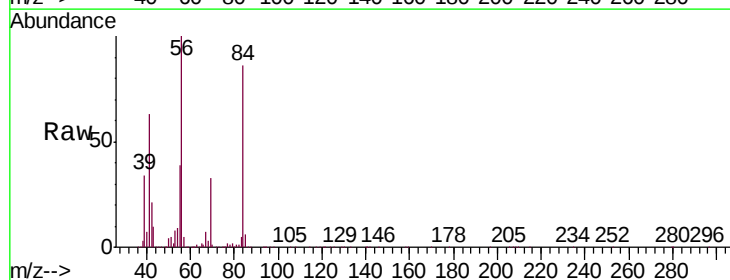
Tgt Ion: 84 Resp: 1313388

Ion Ratio Lower Upper

84 100

56 127.2 101.7 152.5

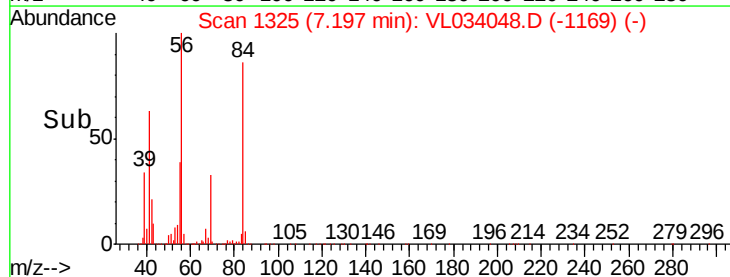
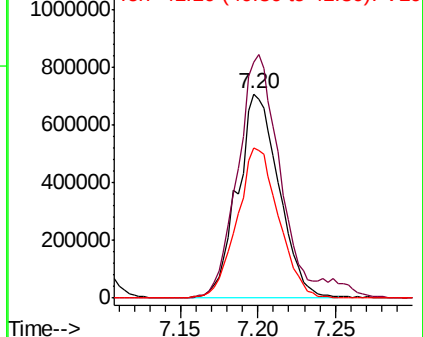
41 74.3 59.4 89.0

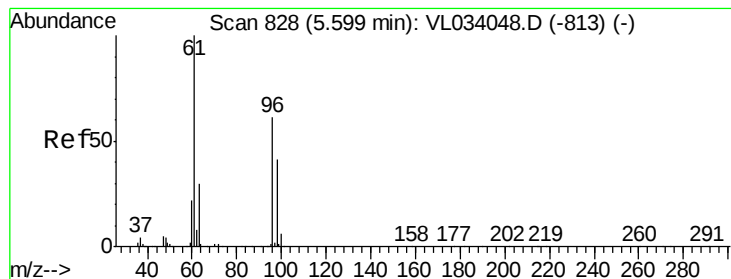


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



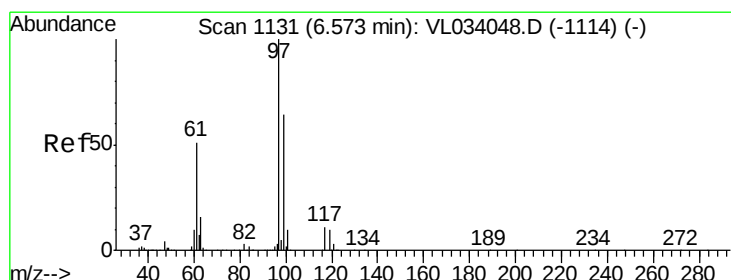
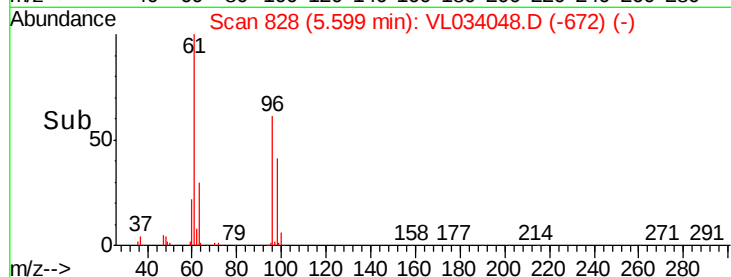
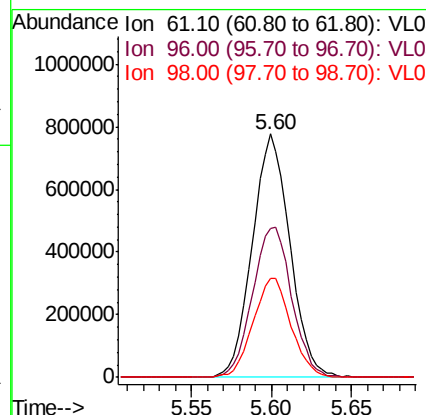
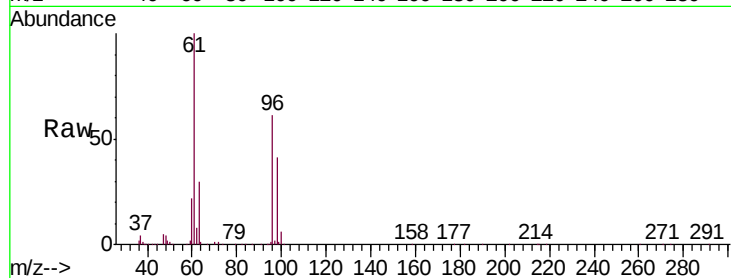


#31

cis-1,2-Dichloroethene
 Concen: 10.161 ppbv
 RT: 5.60 min Scan# 828
 Delta R.T. 0.00 min
 Lab File: VL034048.D
 Acq: 30 Jul 2019 2:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

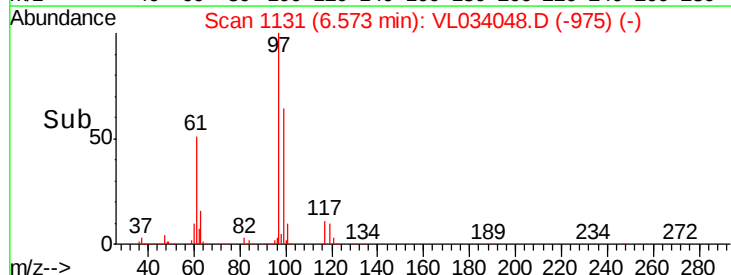
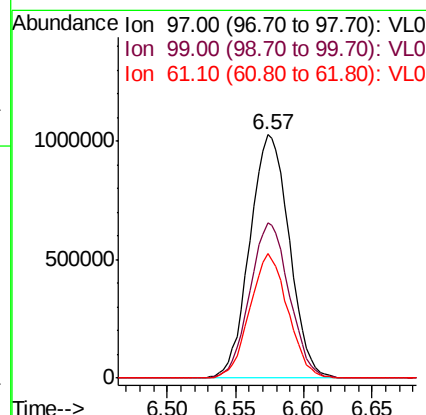
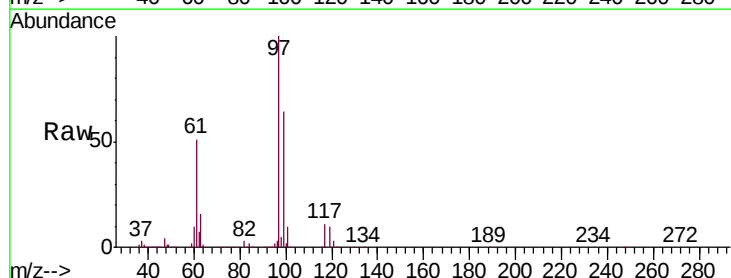
Tgt Ion: 61 Resp: 1254930
 Ion Ratio Lower Upper
 61 100
 96 61.4 49.1 73.7
 98 40.6 32.5 48.7

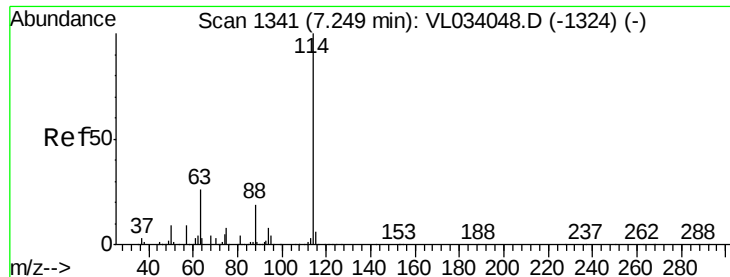


#32

1,1,1-Trichloroethane
 Concen: 8.454 ppbv
 RT: 6.57 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VL034048.D
 Acq: 30 Jul 2019 2:07

Tgt Ion: 97 Resp: 2062698
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.0 76.6
 61 49.4 39.5 59.3

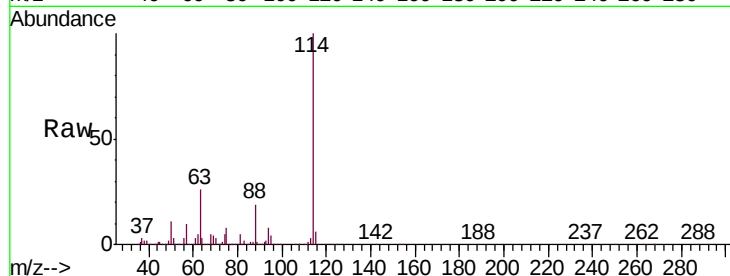




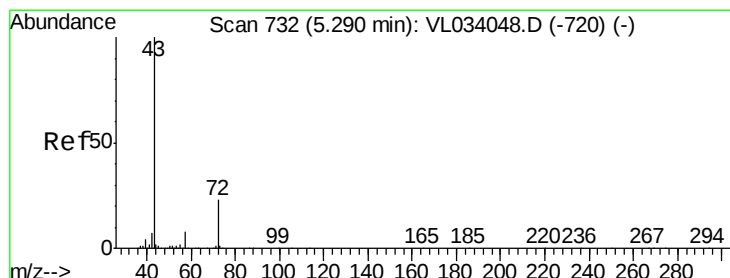
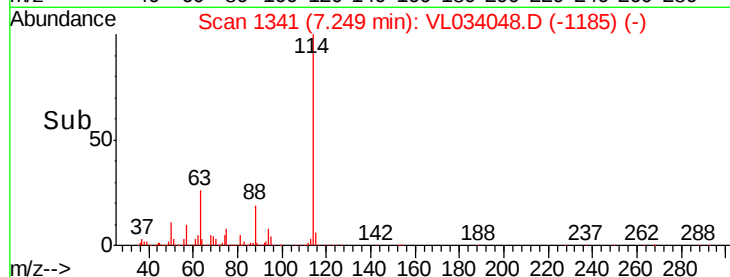
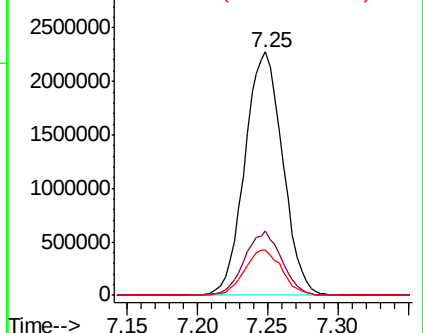
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.25 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VL034048.D
 Acq: 30 Jul 2019 2:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 114 Resp: 4274449
 Ion Ratio Lower Upper
 114 100
 63 26.3 21.0 31.6
 88 18.4 14.7 22.1

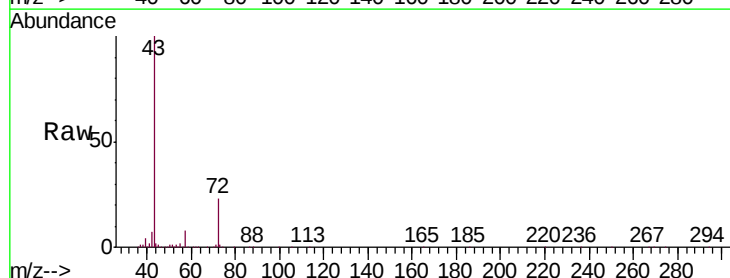


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

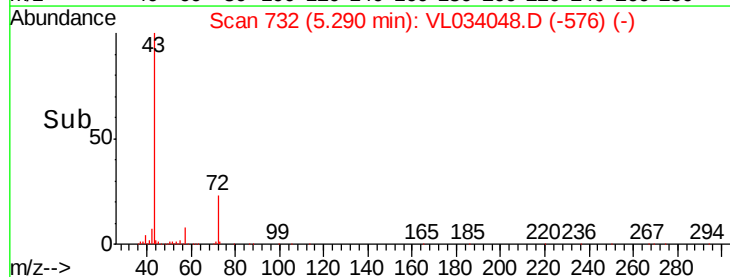
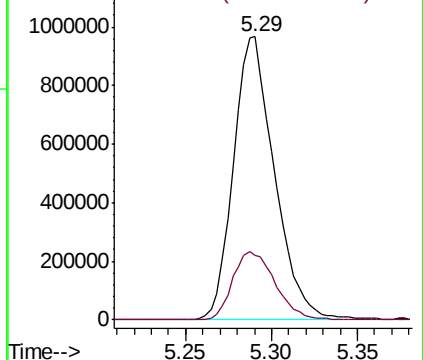


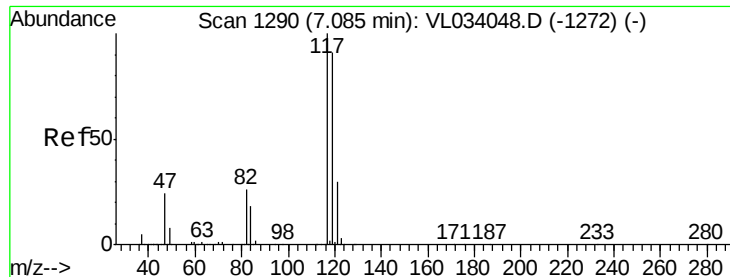
#34
 2-Butanone
 Concen: 7.549 ppbv
 RT: 5.29 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: VL034048.D
 Acq: 30 Jul 2019 2:07

Tgt Ion: 43 Resp: 1599430
 Ion Ratio Lower Upper
 43 100
 72 25.3 20.2 30.4



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

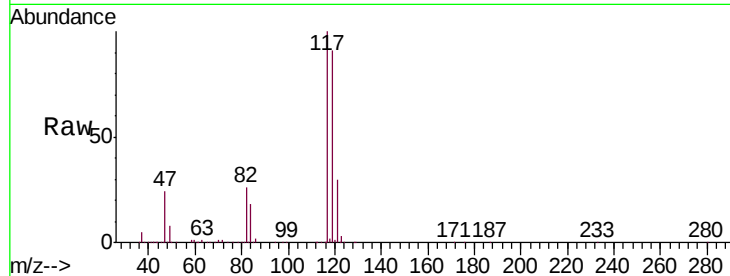




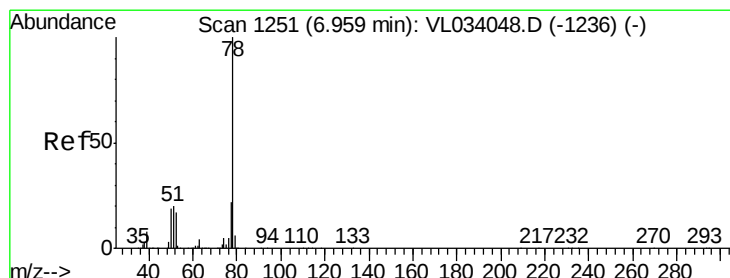
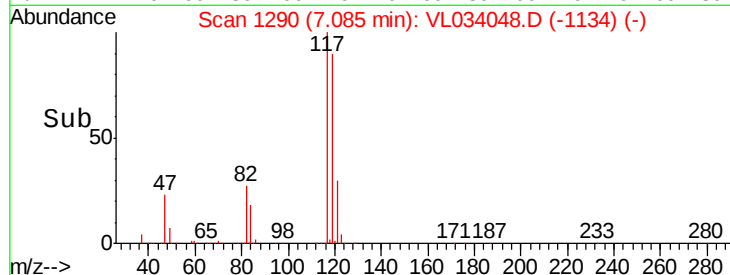
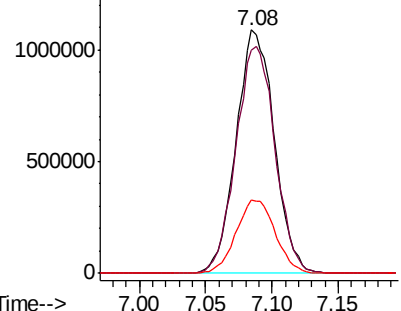
#35
Carbon Tetrachloride
Concen: 6.758 ppbv
RT: 7.08 min Scan# 1290
Delta R.T. 0.00 min
Lab File: VL034048.D
Acq: 30 Jul 2019 2:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 117 Resp: 2181699
Ion Ratio Lower Upper
117 100
119 91.5 73.2 109.8
121 30.0 24.0 36.0

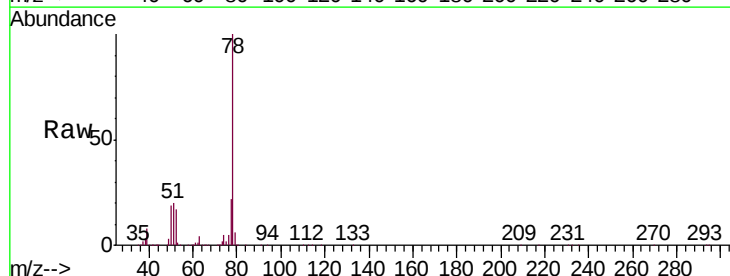


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

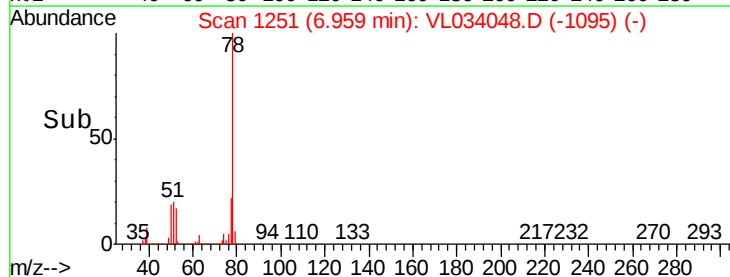
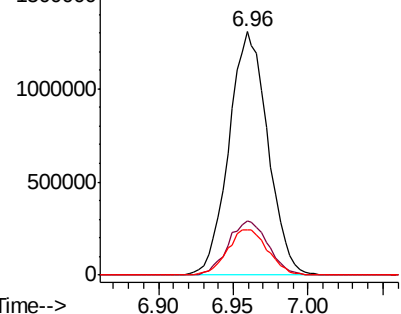


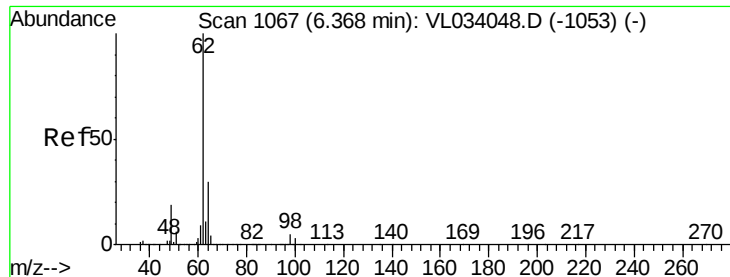
#36
Benzene
Concen: 7.616 ppbv
RT: 6.96 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VL034048.D
Acq: 30 Jul 2019 2:07

Tgt Ion: 78 Resp: 2362069
Ion Ratio Lower Upper
78 100
77 22.4 17.9 26.9
50 18.6 14.9 22.3



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 7.167 ppbv

RT: 6.37 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VL034048.D

Acq: 30 Jul 2019 2:07

Instrument :

MSVOA_L

ClientSampleId :

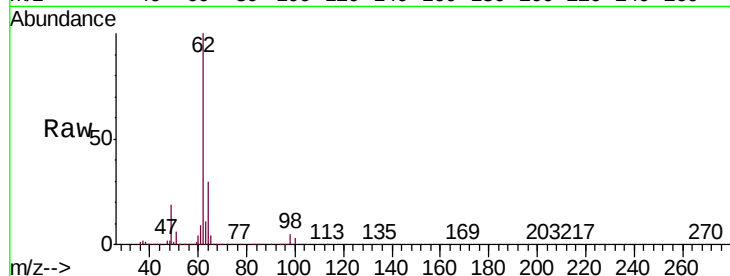
VSTDICCC010

Tgt Ion: 62 Resp: 1655660

Ion Ratio Lower Upper

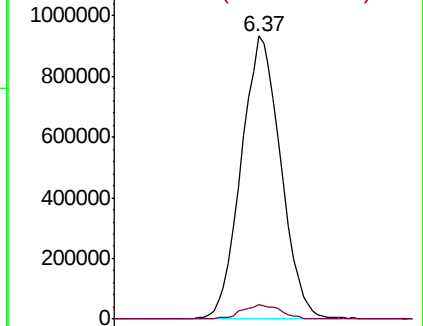
62 100

98 5.2 4.2 6.2

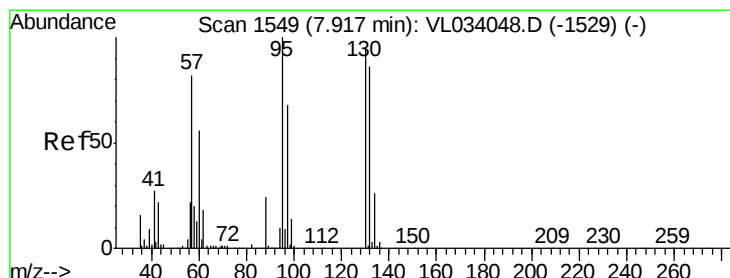
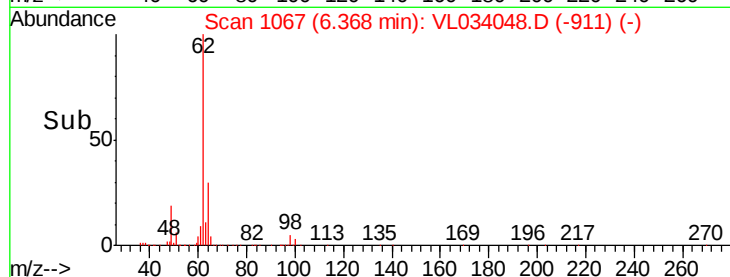


Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



Time-->



#38

Trichloroethene

Concen: 7.377 ppbv

RT: 7.92 min Scan# 1549

Delta R.T. 0.00 min

Lab File: VL034048.D

Acq: 30 Jul 2019 2:07

Tgt Ion: 130 Resp: 1041951

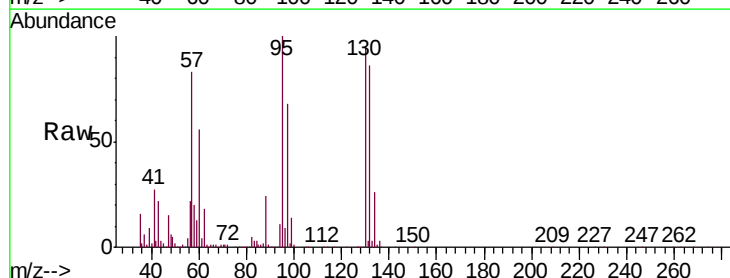
Ion Ratio Lower Upper

130 100

95 105.1 84.1 126.1

132 90.9 72.7 109.1

97 71.1 56.9 85.3

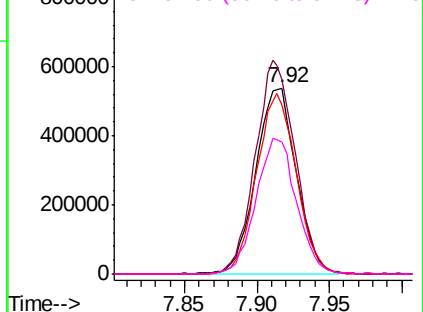


Abundance Ion 130.00 (129.70 to 130.70): V

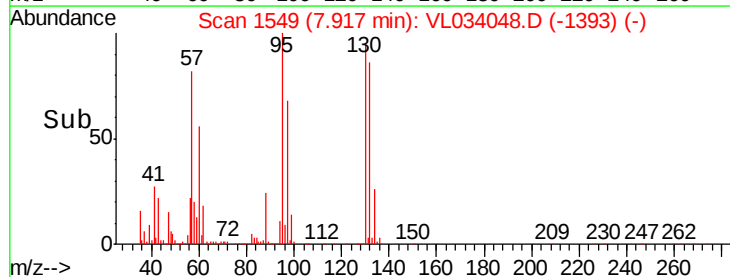
Ion 95.00 (94.70 to 95.70): VL0

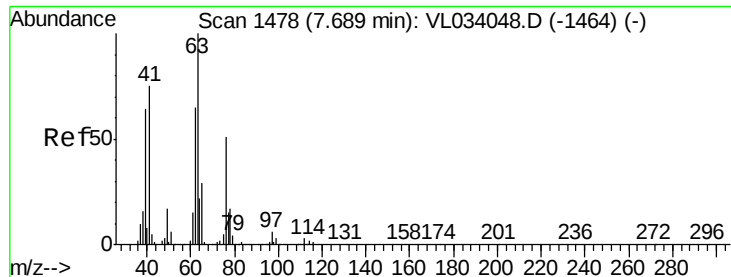
Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



Time-->

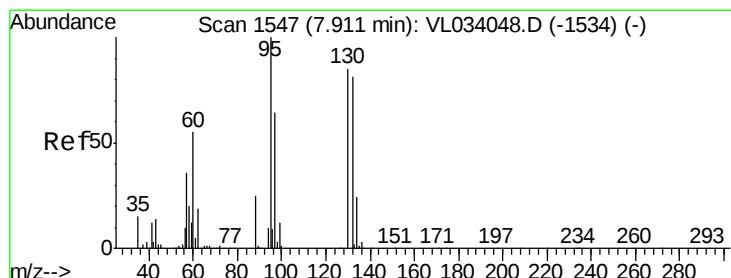
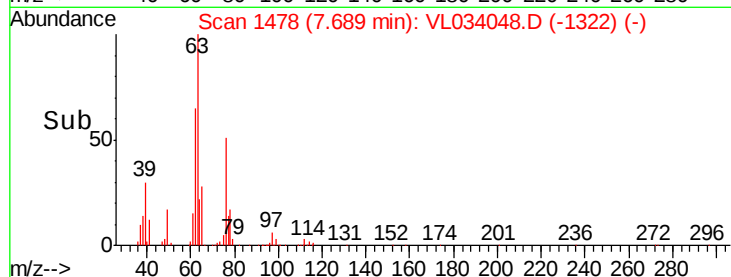
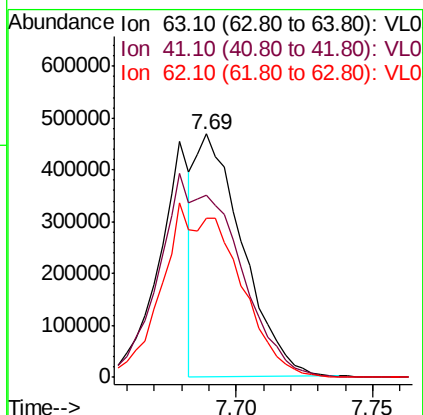
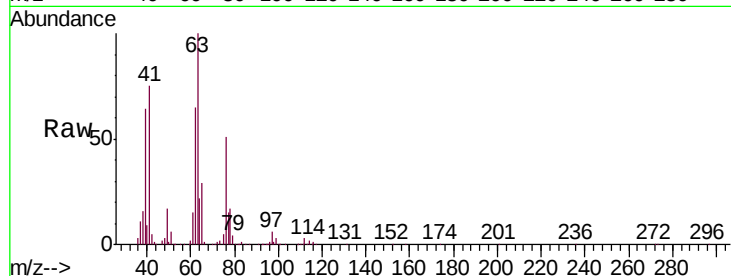




#39
 1,2-Dichloropropane
 Concen: 4.795 ppbv
 RT: 7.69 min Scan# 1478
 Delta R.T. 0.00 min
 Lab File: VL034048.D
 Acq: 30 Jul 2019 2:07

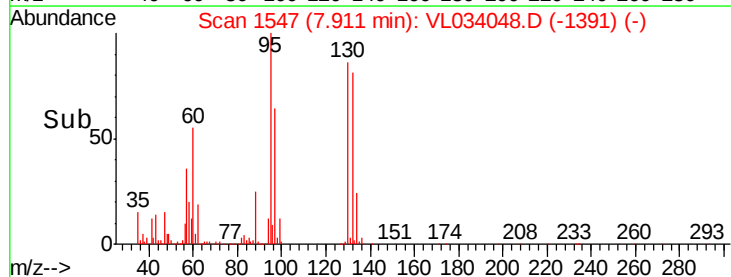
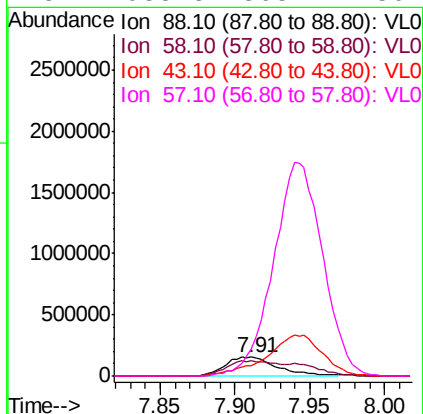
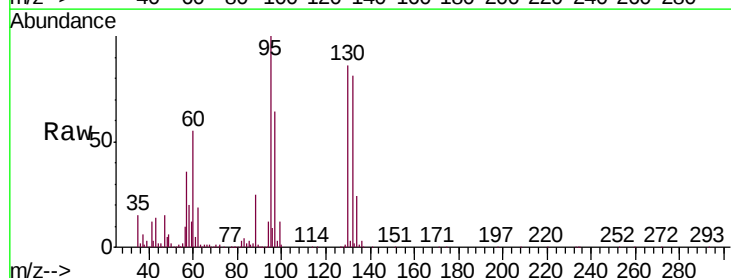
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

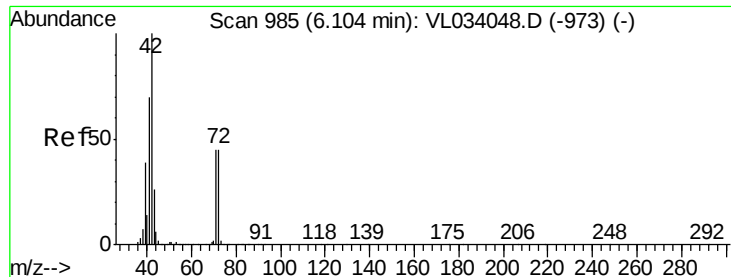
Tgt Ion: 63 Resp: 562048
 Ion Ratio Lower Upper
 63 100
 41 74.8 59.8 89.8
 62 65.2 52.2 78.2



#40
 1,4-Dioxane
 Concen: 6.894 ppbv
 RT: 7.91 min Scan# 1547
 Delta R.T. 0.00 min
 Lab File: VL034048.D
 Acq: 30 Jul 2019 2:07

Tgt Ion: 88 Resp: 368495
 Ion Ratio Lower Upper
 88 100
 58 124.5 99.6 149.4
 43 237.5 189.2 283.8
 57 1085.5 868.4 1302.6





#41

Tetrahydrofuran

Concen: 8.090 ppbv

RT: 6.10 min Scan# 985

Delta R.T. 0.00 min

Lab File: VL034048.D

Acq: 30 Jul 2019 2:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

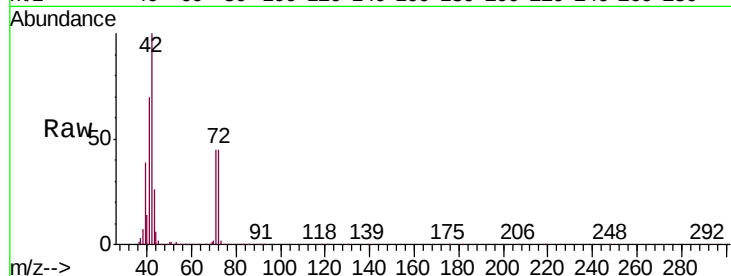
Tgt Ion: 42 Resp: 832104

Ion Ratio Lower Upper

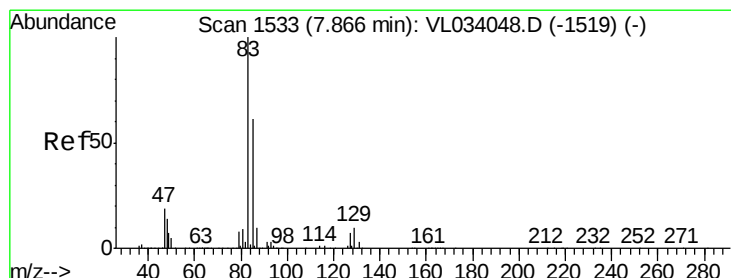
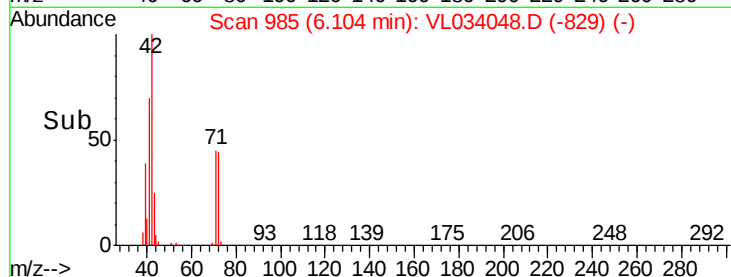
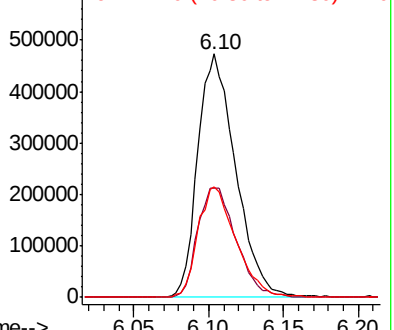
42 100

72 46.0 36.9 55.3

71 45.7 36.6 54.8



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: 7.308 ppbv

RT: 7.87 min Scan# 1533

Delta R.T. 0.00 min

Lab File: VL034048.D

Acq: 30 Jul 2019 2:07

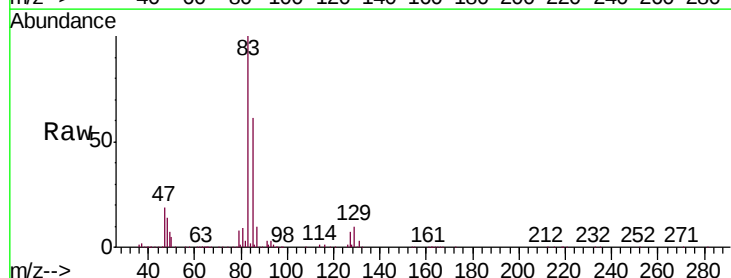
Tgt Ion: 83 Resp: 2257993

Ion Ratio Lower Upper

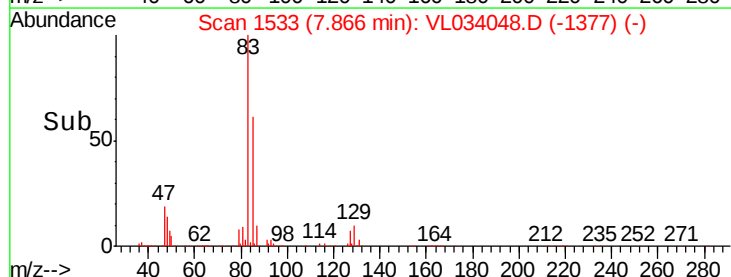
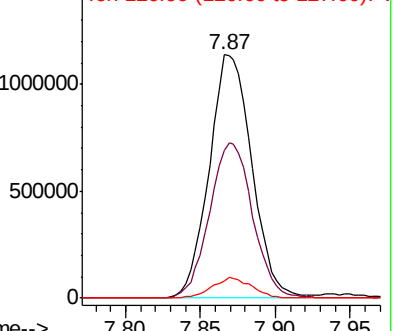
83 100

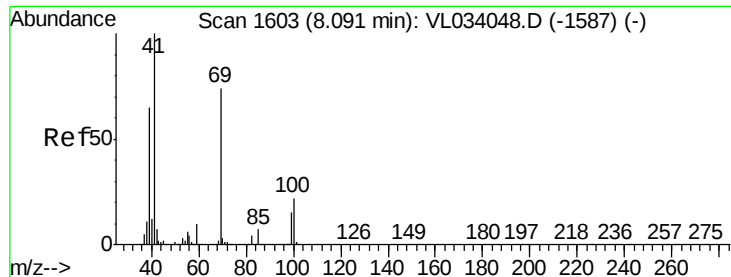
85 60.8 48.6 73.0

127 6.9 5.5 8.3



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

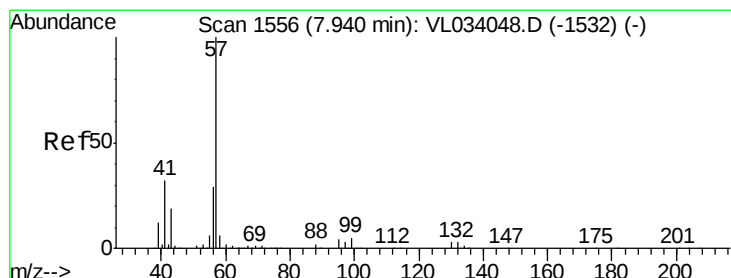
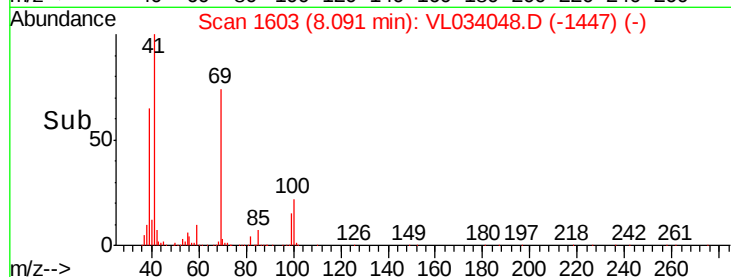
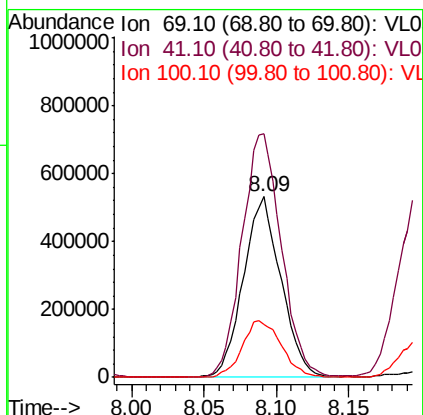
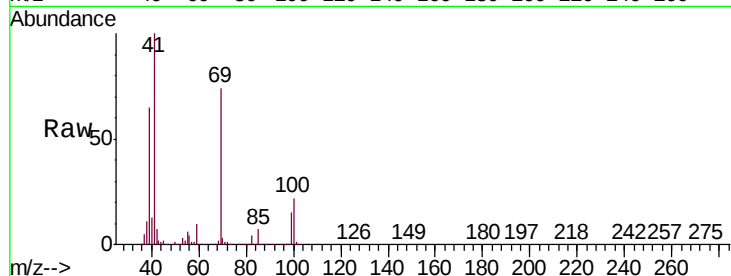




#43
Methyl Methacrylate
Concen: 8.199 ppbv
RT: 8.09 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VL034048.D
Acq: 30 Jul 2019 2:07

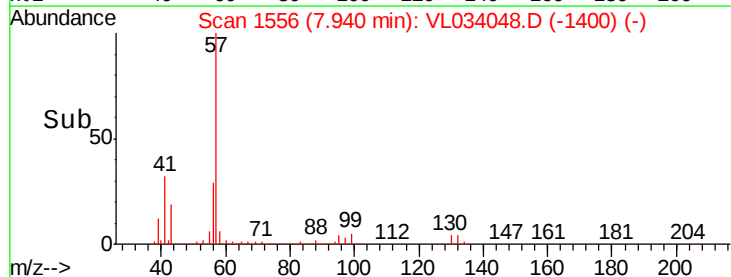
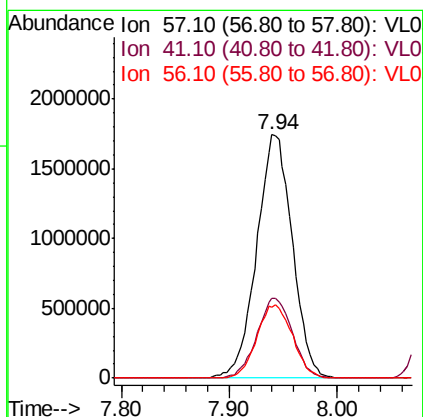
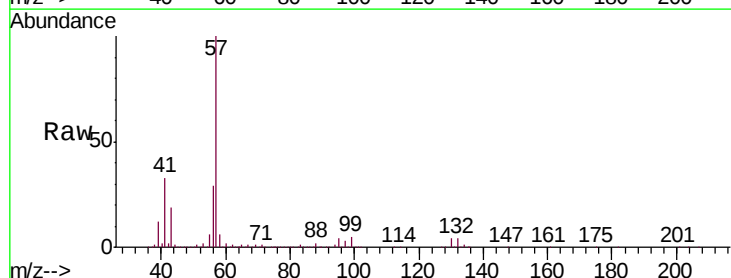
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

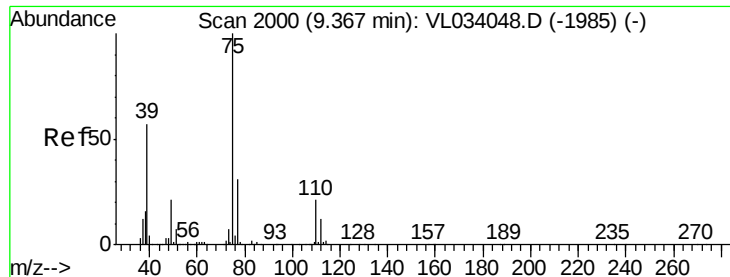
Tgt Ion: 69 Resp: 962501
Ion Ratio Lower Upper
69 100
41 140.8 112.8 169.2
100 32.6 26.1 39.1



#44
2,2,4-Trimethylpentane
Concen: 7.432 ppbv
RT: 7.94 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VL034048.D
Acq: 30 Jul 2019 2:07

Tgt Ion: 57 Resp: 3993656
Ion Ratio Lower Upper
57 100
41 32.8 26.2 39.2
56 30.2 24.2 36.2





#45

t-1,3-Dichloropropene

Concen: 8.811 ppbv

RT: 9.37 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VL034048.D

Acq: 30 Jul 2019 2:07

Instrument :

MSVOA_L

ClientSampleId :

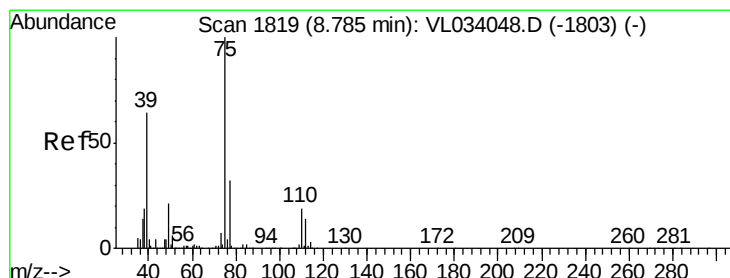
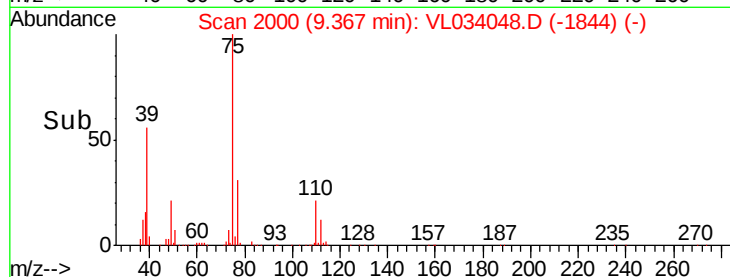
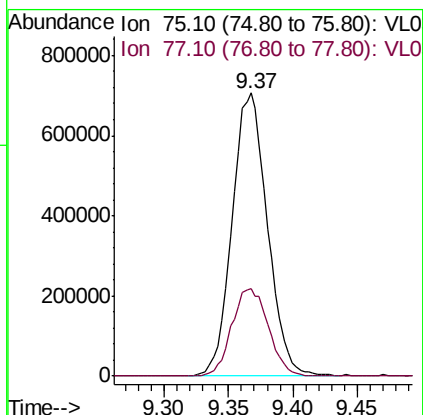
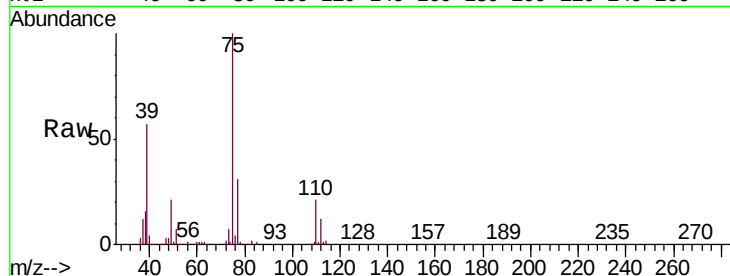
VSTDICCC010

Tgt Ion: 75 Resp: 1338255

Ion Ratio Lower Upper

75 100

77 30.8 24.6 37.0



#46

cis-1,3-Dichloropropene

Concen: 8.482 ppbv

RT: 8.79 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VL034048.D

Acq: 30 Jul 2019 2:07

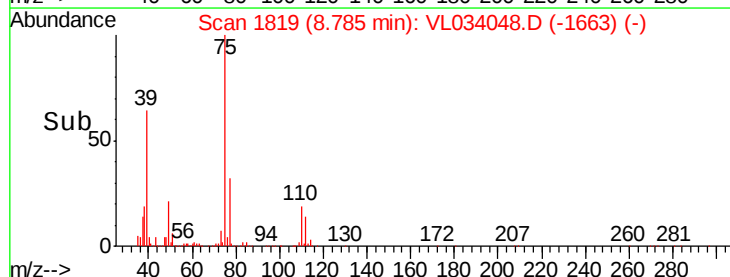
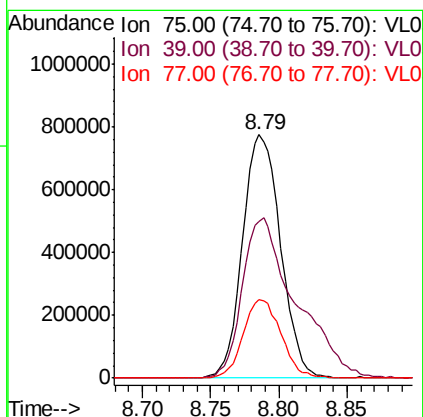
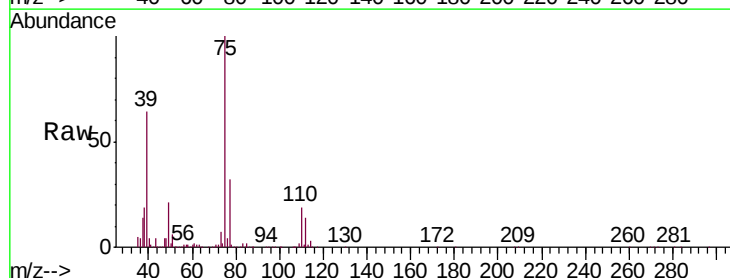
Tgt Ion: 75 Resp: 1501570

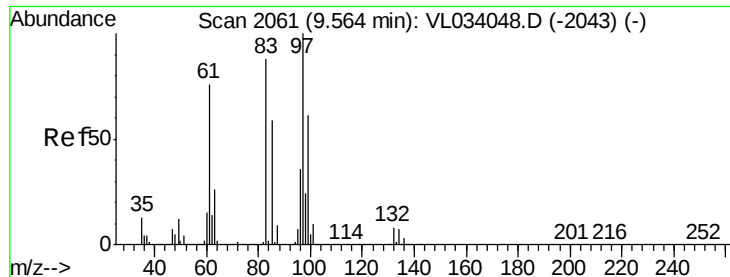
Ion Ratio Lower Upper

75 100

39 64.3 51.4 77.2

77 32.2 25.8 38.6





#47

1,1,2-Trichloroethane

Concen: 7.141 ppbv

RT: 9.56 min Scan# 2061

Delta R.T. 0.00 min

Lab File: VL034048.D

Acq: 30 Jul 2019 2:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 97 Resp: 1041013

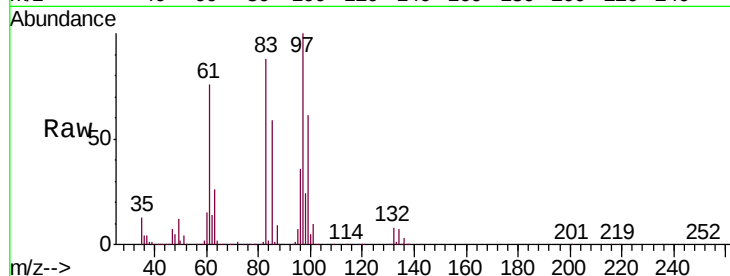
Ion Ratio Lower Upper

97 100

83 88.3 70.6 106.0

85 59.1 47.3 70.9

99 60.7 48.6 72.8

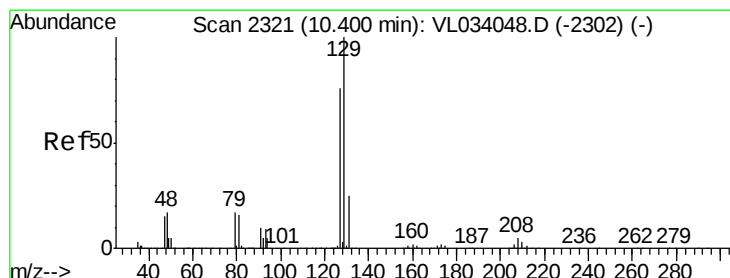
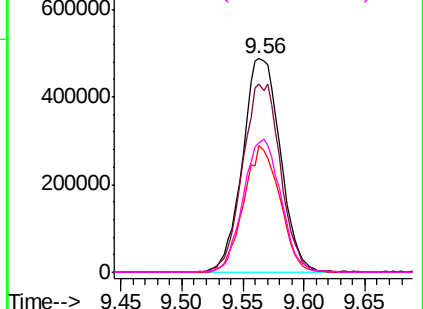
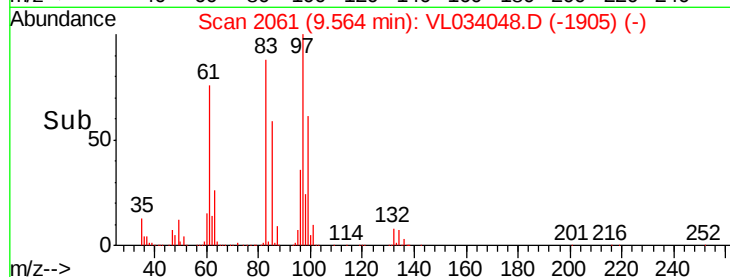


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 9.138 ppbv

RT: 10.40 min Scan# 2321

Delta R.T. 0.00 min

Lab File: VL034048.D

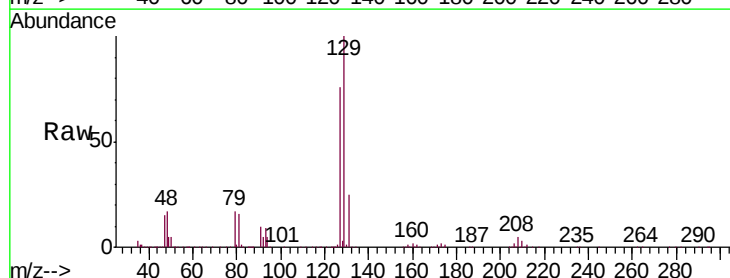
Acq: 30 Jul 2019 2:07

Tgt Ion: 129 Resp: 2682035

Ion Ratio Lower Upper

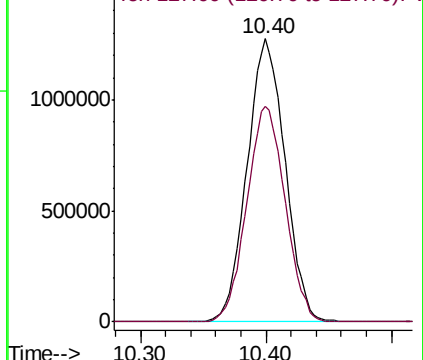
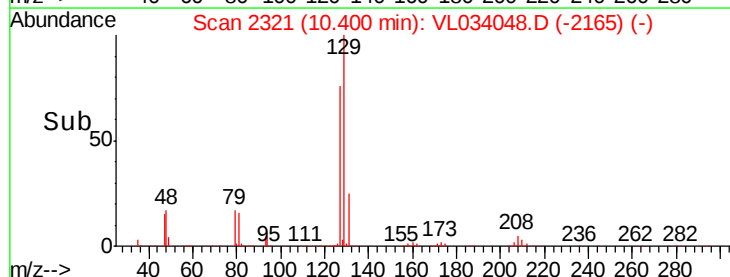
129 100

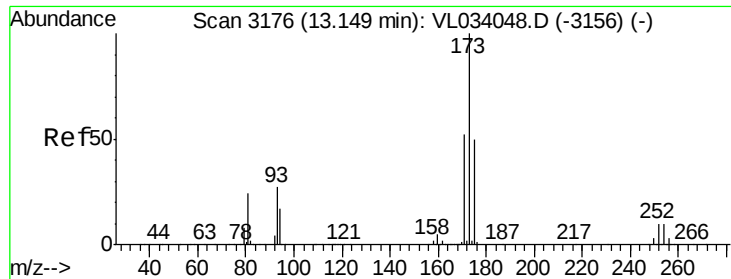
127 77.1 38.6 115.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 7.679 ppbv

RT: 13.15 min Scan# 3176

Delta R.T. 0.00 min

Lab File: VL034048.D

Acq: 30 Jul 2019 2:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

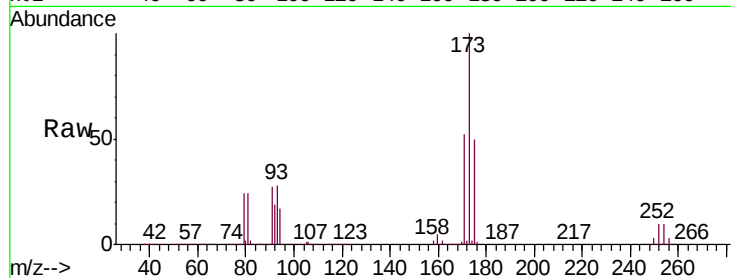
Tgt Ion:173 Resp: 1826569

Ion Ratio Lower Upper

173 100

175 49.2 39.4 59.0

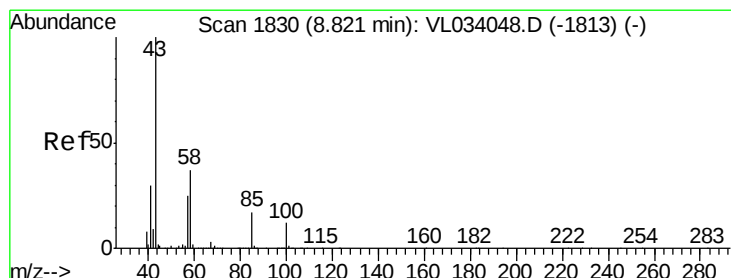
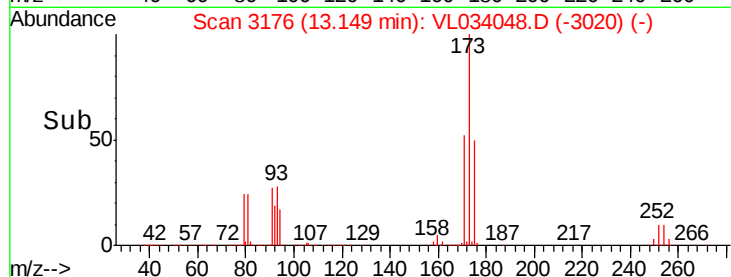
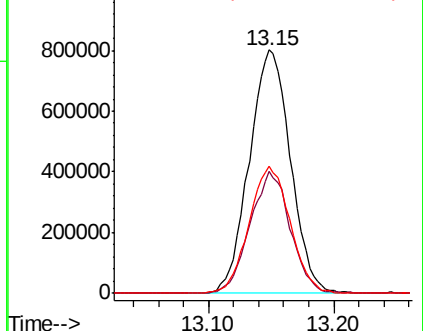
171 52.4 41.9 62.9



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: 7.621 ppbv

RT: 8.82 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VL034048.D

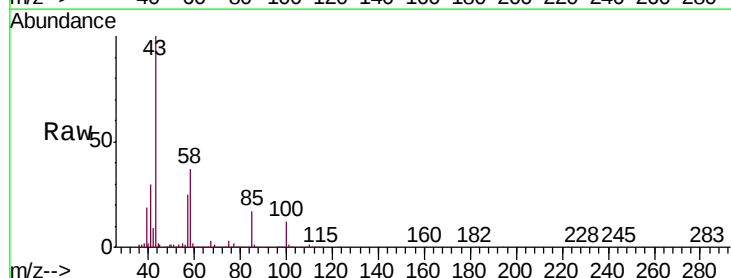
Acq: 30 Jul 2019 2:07

Tgt Ion: 43 Resp: 2376489

Ion Ratio Lower Upper

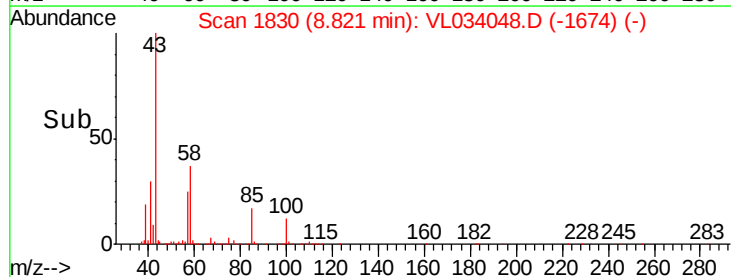
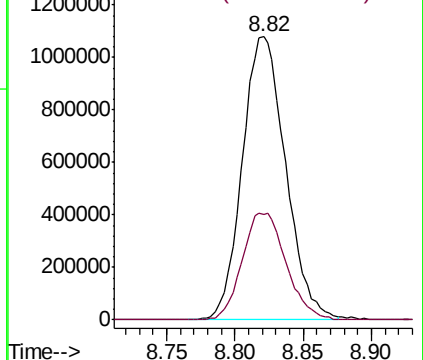
43 100

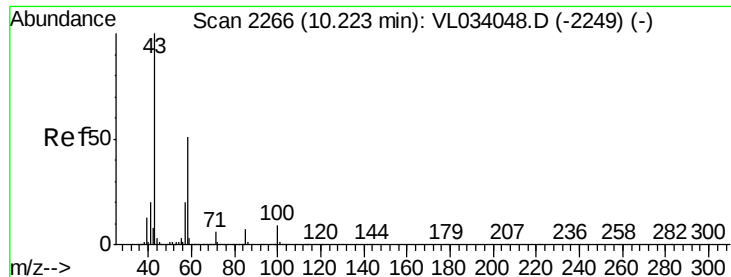
58 38.4 30.7 46.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.199 ppbv

RT: 10.22 min Scan# 2266

Delta R.T. 0.00 min

Lab File: VL034048.D

Acq: 30 Jul 2019 2:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

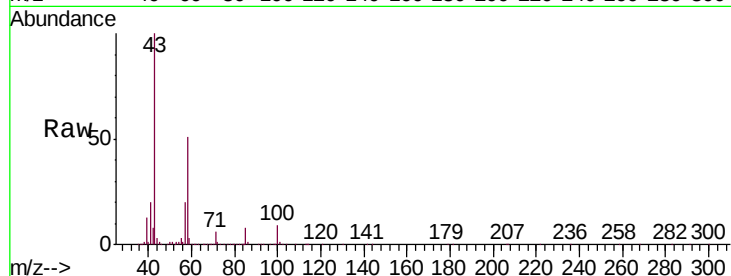
Tgt Ion: 43 Resp: 2718658

Ion Ratio Lower Upper

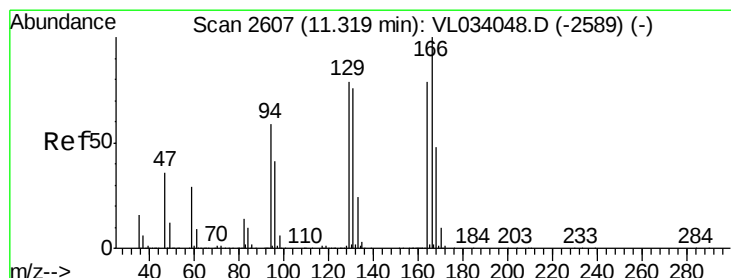
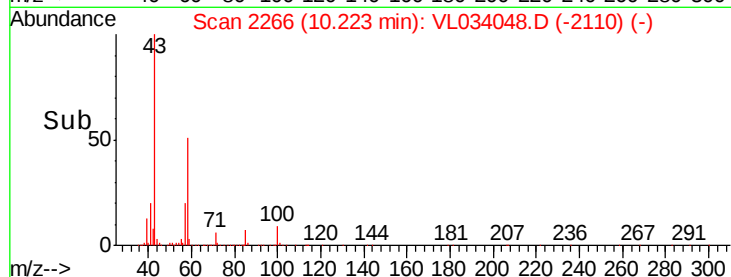
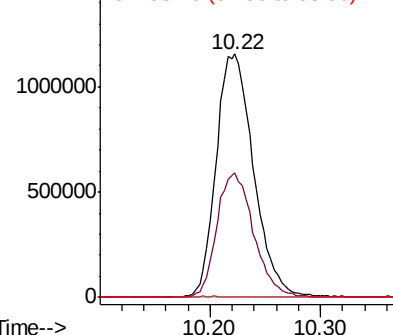
43 100

58 50.2 40.2 60.2

98 0.5 0.4 0.6



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



#52

Tetrachloroethene

Concen: 7.227 ppbv

RT: 11.32 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VL034048.D

Acq: 30 Jul 2019 2:07

Tgt Ion: 164 Resp: 985745

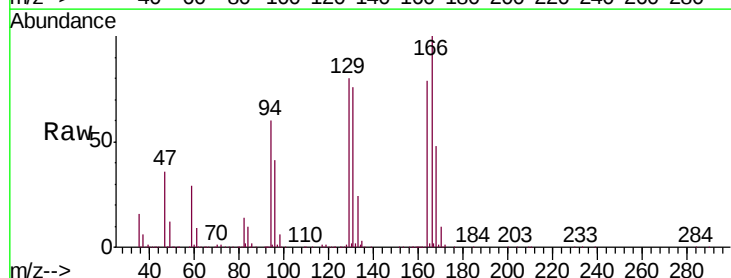
Ion Ratio Lower Upper

164 100

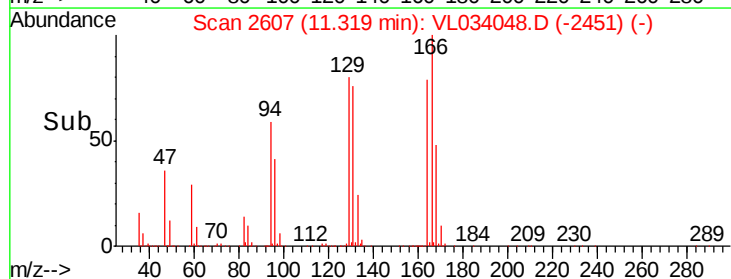
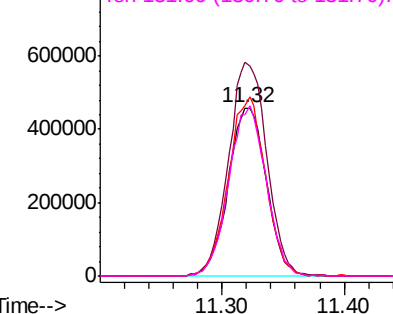
166 127.0 101.6 152.4

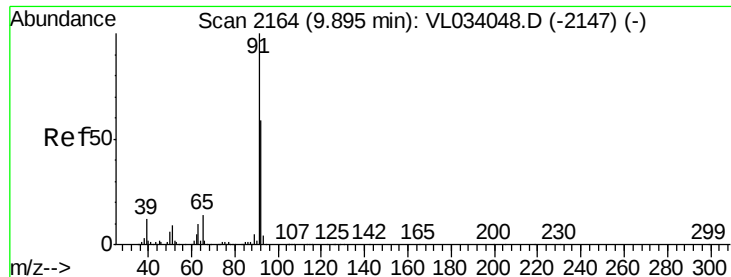
129 100.9 80.7 121.1

131 96.0 76.8 115.2



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





#53

Toluene

Concen: 8.243 ppbv

RT: 9.89 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VL034048.D

Acq: 30 Jul 2019 2:07

Instrument :

MSVOA_L

ClientSampleId :

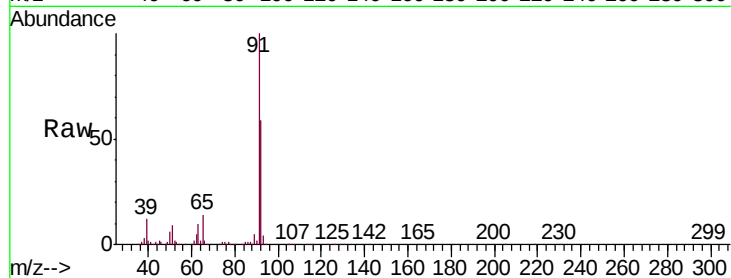
VSTDICCC010

Tgt Ion: 91 Resp: 2910928

Ion Ratio Lower Upper

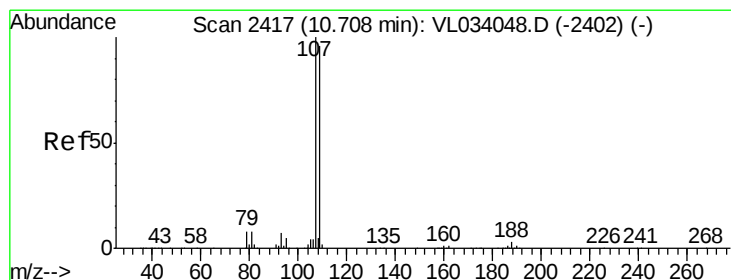
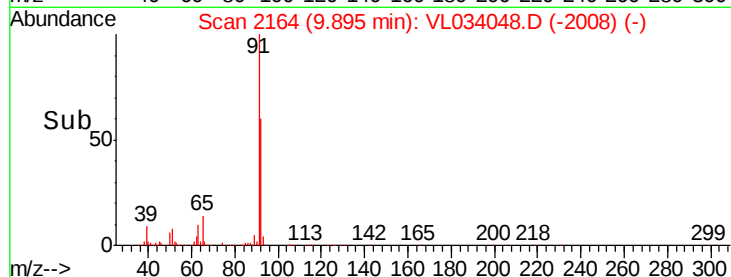
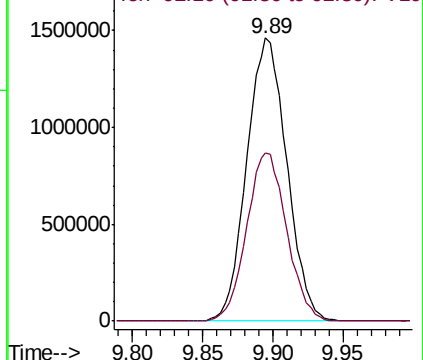
91 100

92 59.3 47.4 71.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 7.435 ppbv

RT: 10.71 min Scan# 2417

Delta R.T. 0.00 min

Lab File: VL034048.D

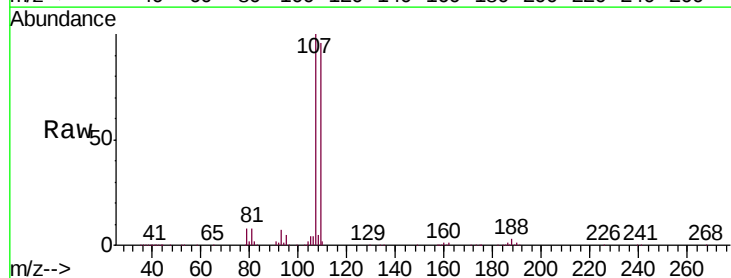
Acq: 30 Jul 2019 2:07

Tgt Ion: 107 Resp: 1589676

Ion Ratio Lower Upper

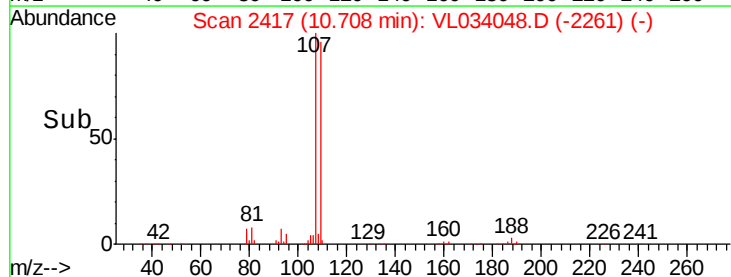
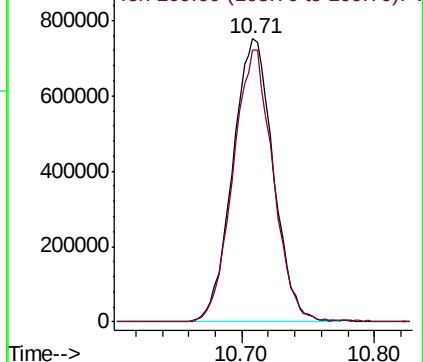
107 100

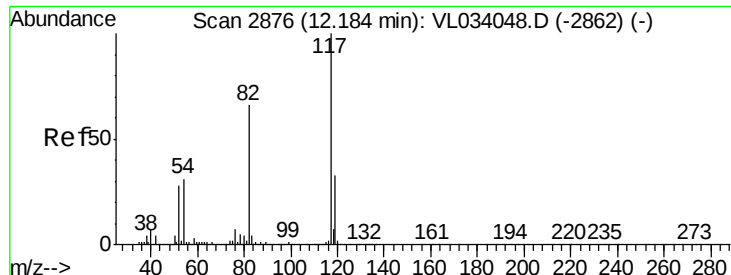
109 95.8 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

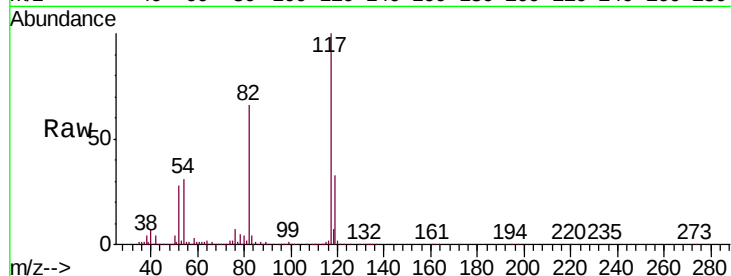




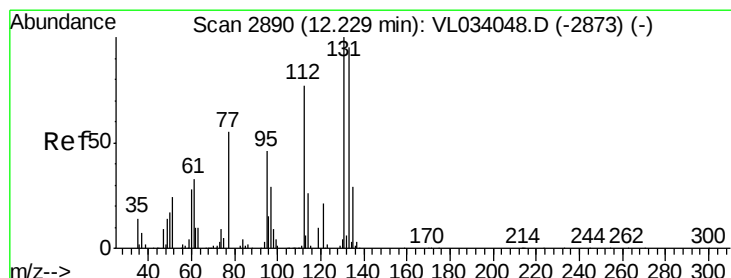
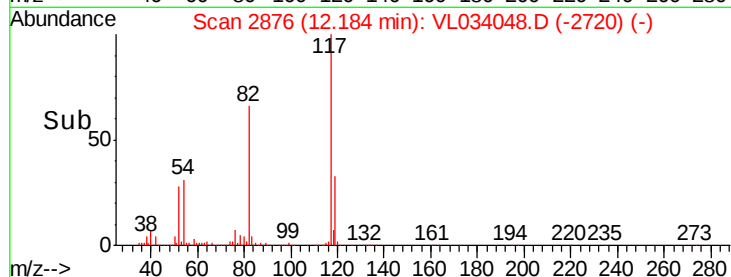
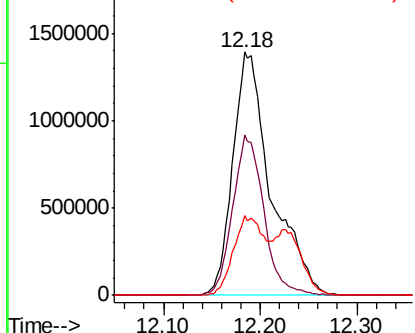
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.18 min Scan# 2876
Delta R.T. 0.00 min
Lab File: VL034048.D
Acq: 30 Jul 2019 2:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 3839652
Ion Ratio Lower Upper
117 100
82 53.5 49.8 74.8
119 28.0 43.0 64.6#

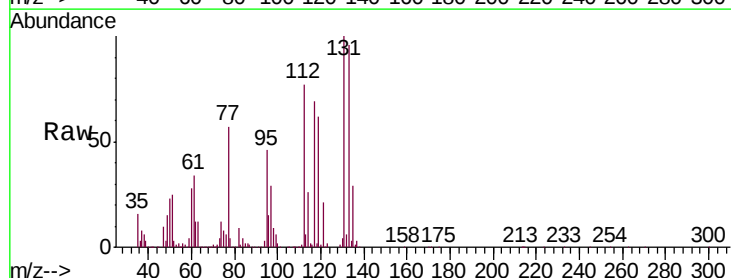


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

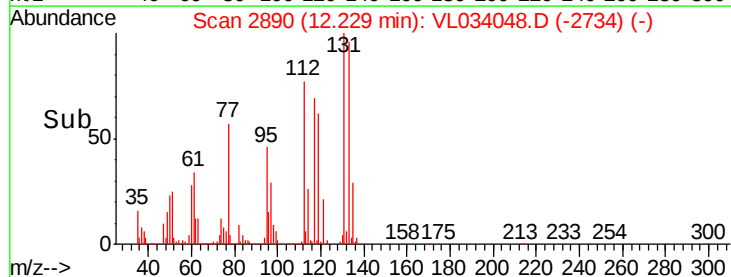
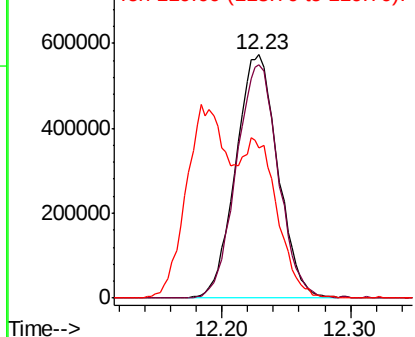


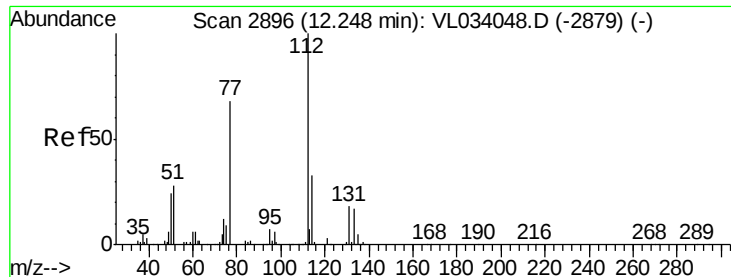
#56
1,1,1,2-Tetrachloroethane
Concen: 7.712 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. 0.00 min
Lab File: VL034048.D
Acq: 30 Jul 2019 2:07

Tgt Ion:131 Resp: 1302426
Ion Ratio Lower Upper
131 100
133 95.7 76.6 114.8
119 58.2 46.6 69.8



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.589 ppbv

RT: 12.25 min Scan# 2896

Delta R.T. 0.00 min

Lab File: VL034048.D

Acq: 30 Jul 2019 2:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

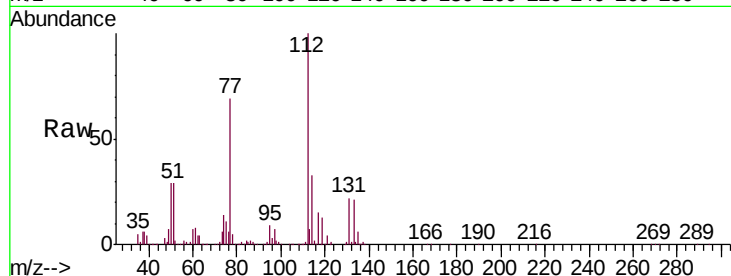
Tgt Ion: 112 Resp: 2283096

Ion Ratio Lower Upper

112 100

77 68.9 55.1 82.7

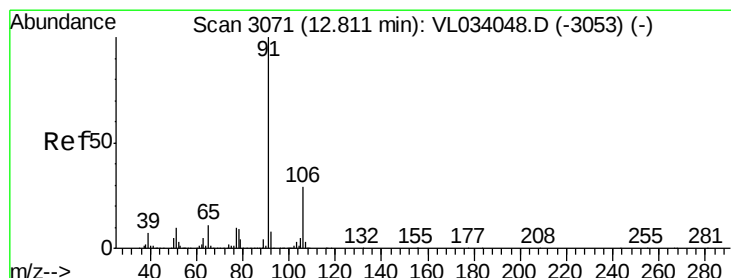
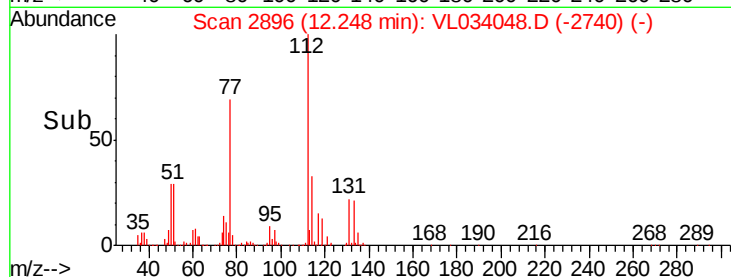
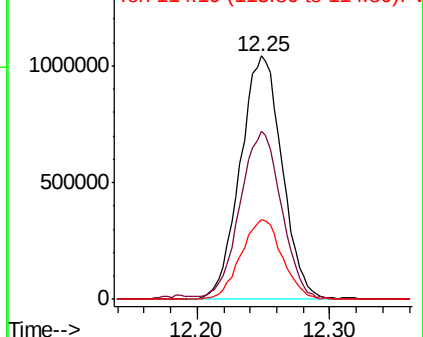
114 32.8 29.5 36.1



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.945 ppbv

RT: 12.81 min Scan# 3071

Delta R.T. 0.00 min

Lab File: VL034048.D

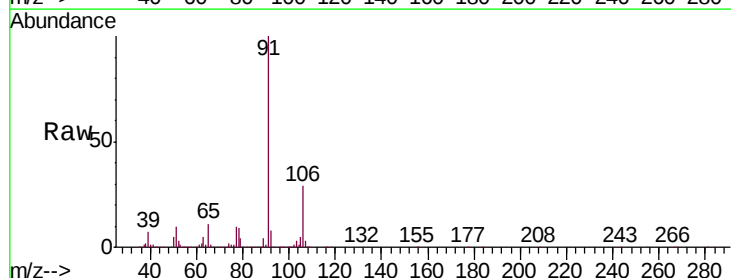
Acq: 30 Jul 2019 2:07

Tgt Ion: 91 Resp: 4065681

Ion Ratio Lower Upper

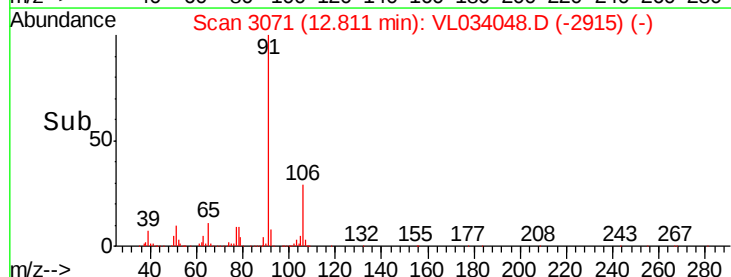
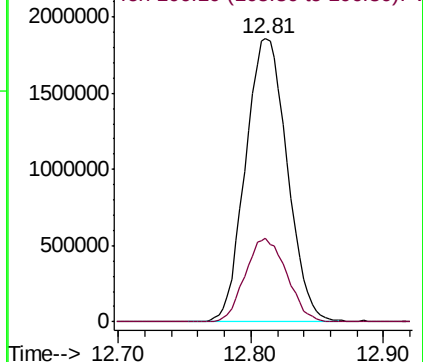
91 100

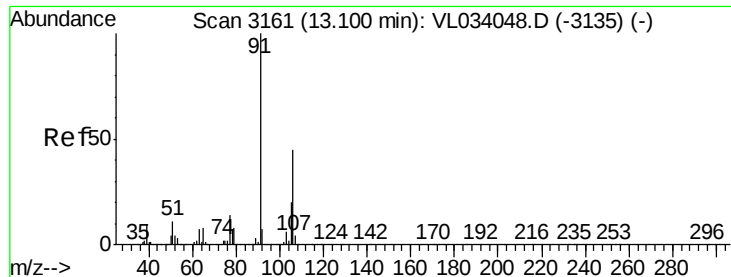
106 29.4 23.5 35.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

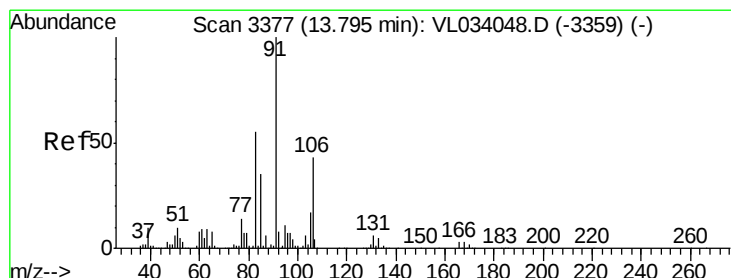
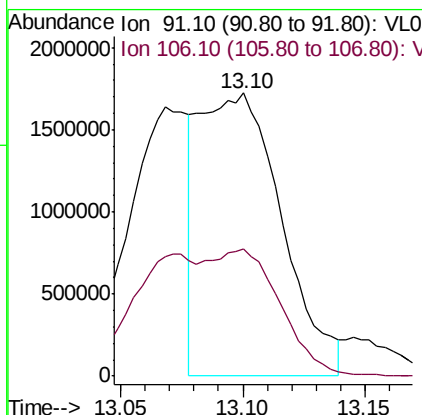
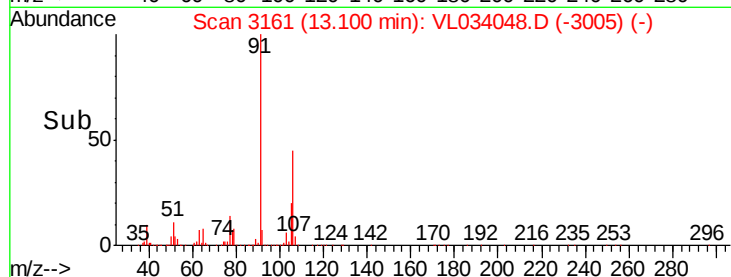
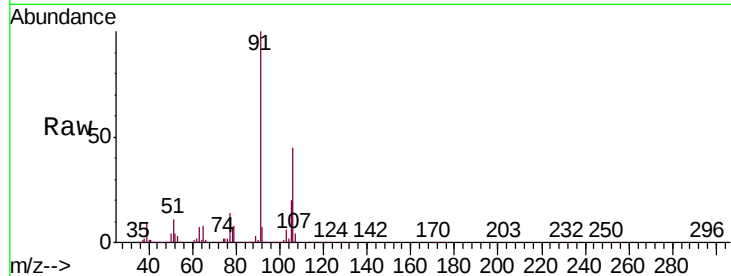




#59
m/p-Xylene
Concen: 9.691 ppbv
RT: 13.10 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VL034048.D
Acq: 30 Jul 2019 2:07

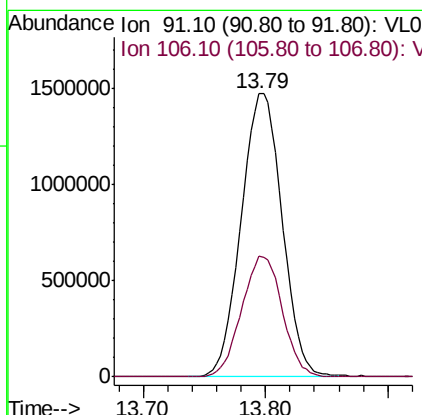
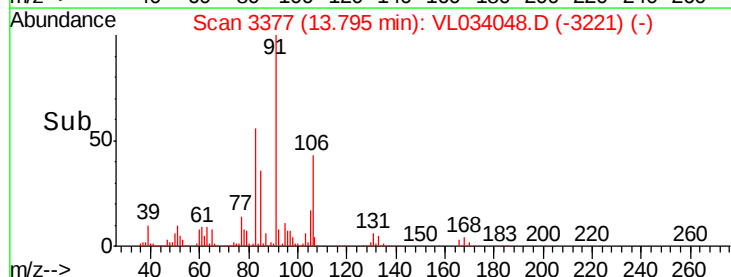
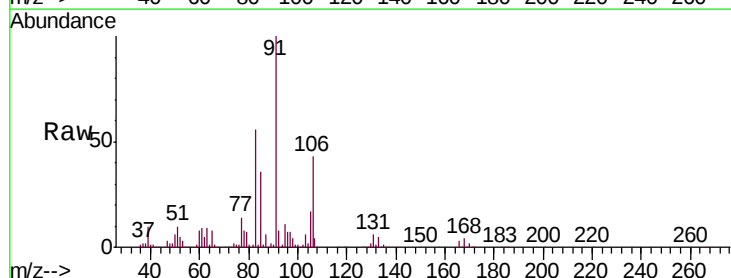
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

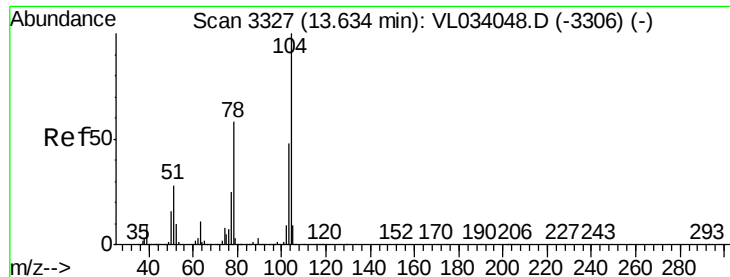
Tgt Ion: 91 Resp: 3990373
Ion Ratio Lower Upper
91 100
106 75.1 35.1 52.7#



#60
o-Xylene
Concen: 8.271 ppbv
RT: 13.79 min Scan# 3377
Delta R.T. 0.00 min
Lab File: VL034048.D
Acq: 30 Jul 2019 2:07

Tgt Ion: 91 Resp: 3417035
Ion Ratio Lower Upper
91 100
106 42.4 21.2 63.6





#61

Styrene

Concen: 9.277 ppbv

RT: 13.63 min Scan# 3327

Delta R.T. 0.00 min

Lab File: VL034048.D

Acq: 30 Jul 2019 2:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

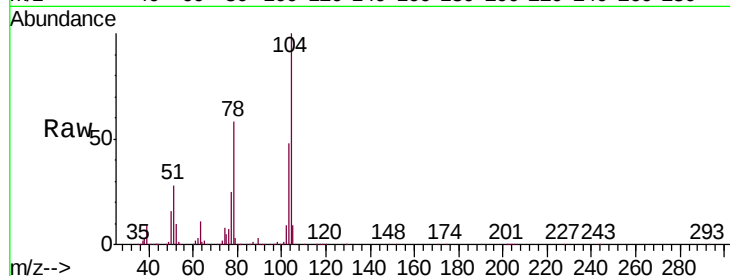
Tgt Ion:104 Resp: 2519630

Ion Ratio Lower Upper

104 100

78 55.5 44.3 66.5

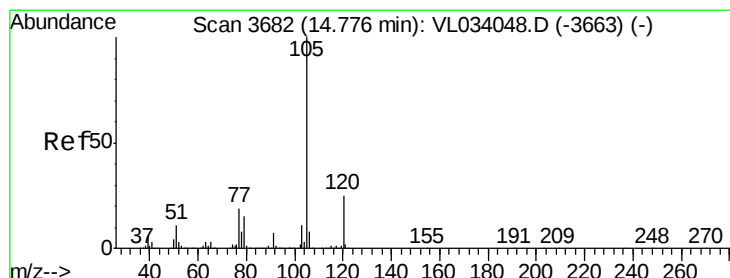
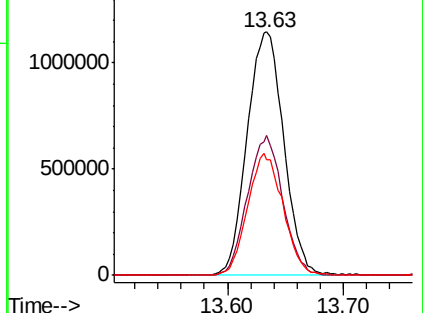
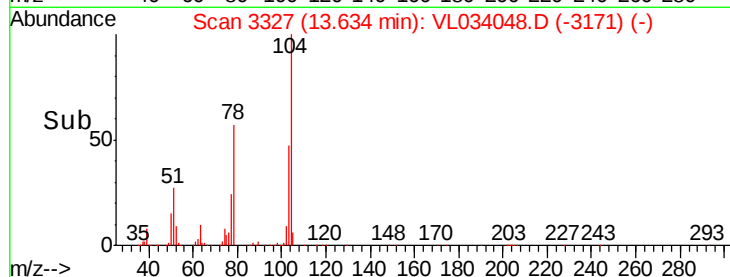
103 48.4 38.8 58.2



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: 7.611 ppbv

RT: 14.78 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VL034048.D

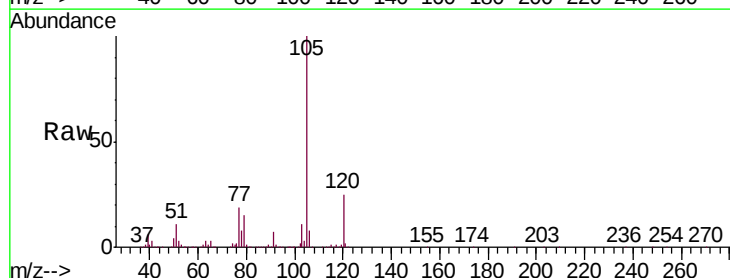
Acq: 30 Jul 2019 2:07

Tgt Ion:105 Resp: 4541331

Ion Ratio Lower Upper

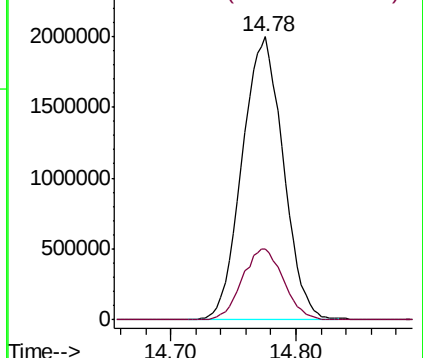
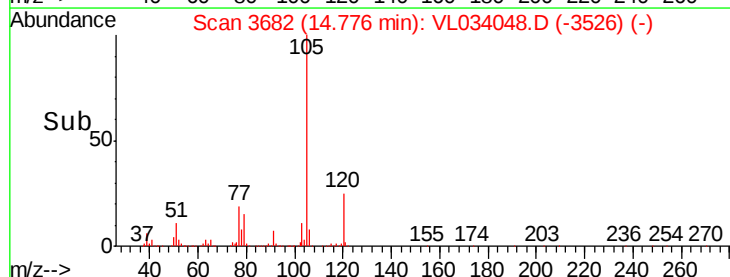
105 100

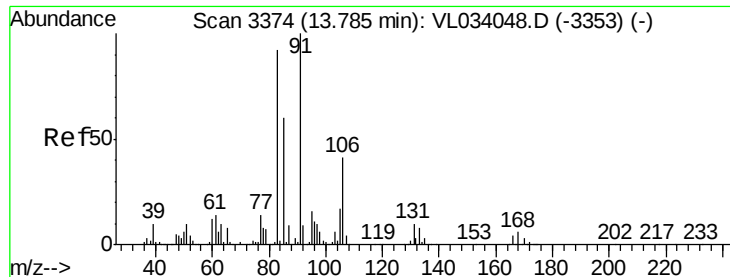
120 25.2 20.2 30.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

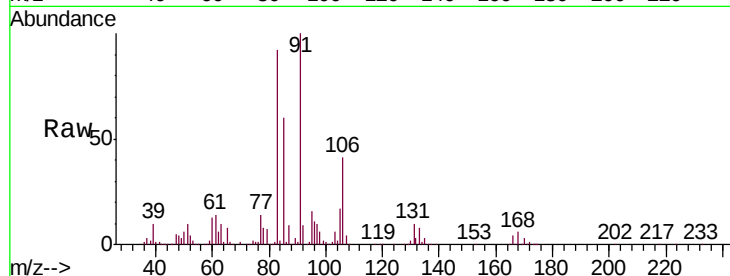




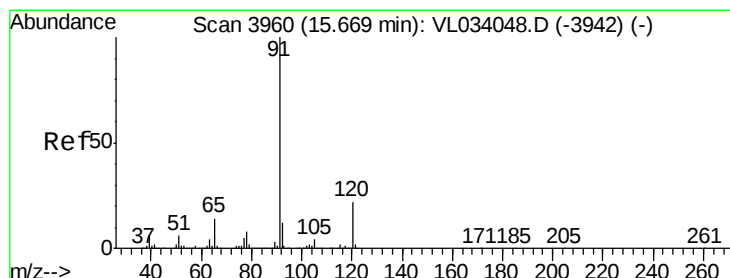
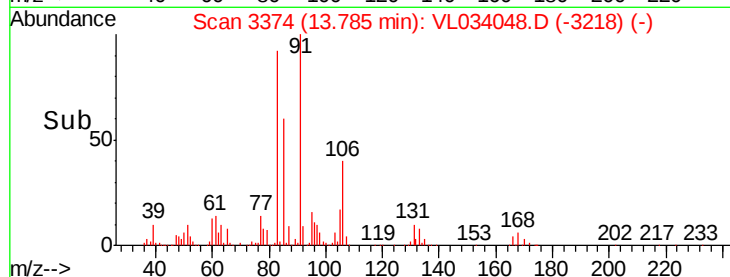
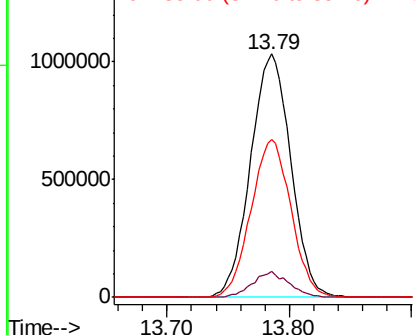
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.364 ppbv
 RT: 13.79 min Scan# 3374
 Delta R.T. 0.00 min
 Lab File: VL034048.D
 Acq: 30 Jul 2019 2:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 83 Resp: 2361346
 Ion Ratio Lower Upper
 83 100
 131 9.6 4.8 14.4
 85 64.7 32.4 97.0

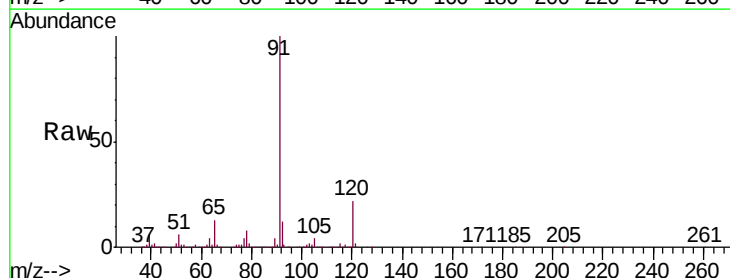


Abundance Ion 83.00 (82.70 to 83.70): VL0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VL0

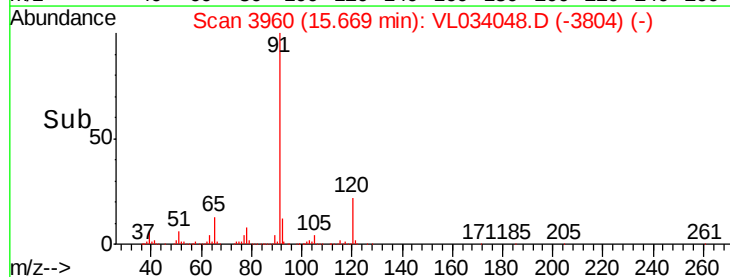
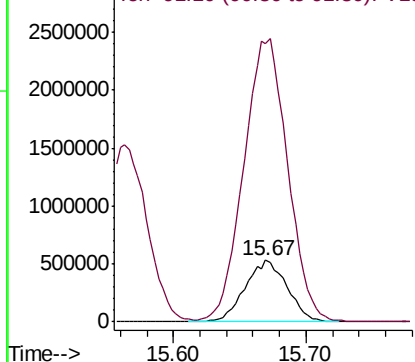


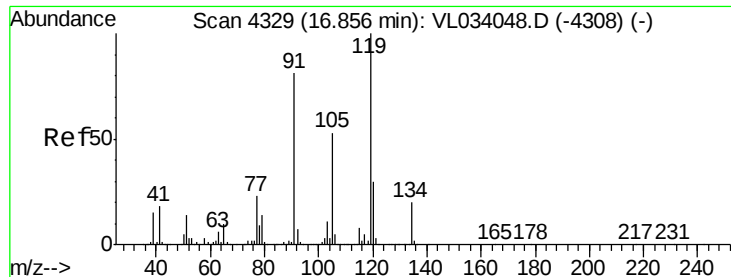
#64
 n-propylbenzene
 Concen: 7.564 ppbv
 RT: 15.67 min Scan# 3960
 Delta R.T. 0.00 min
 Lab File: VL034048.D
 Acq: 30 Jul 2019 2:07

Tgt Ion: 120 Resp: 1167303
 Ion Ratio Lower Upper
 120 100
 91 482.7 386.2 579.2



Abundance Ion 120.20 (119.90 to 120.90): V
 Ion 91.10 (90.80 to 91.80): VL0

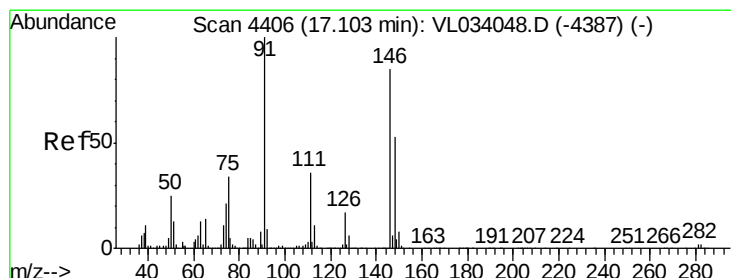
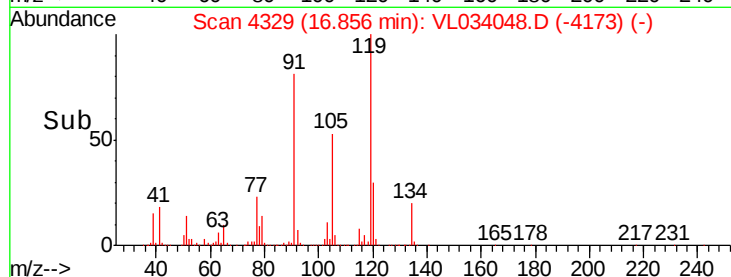
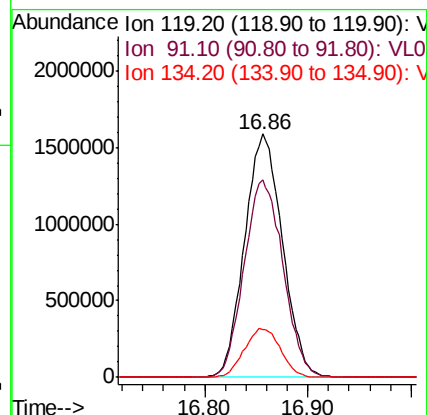
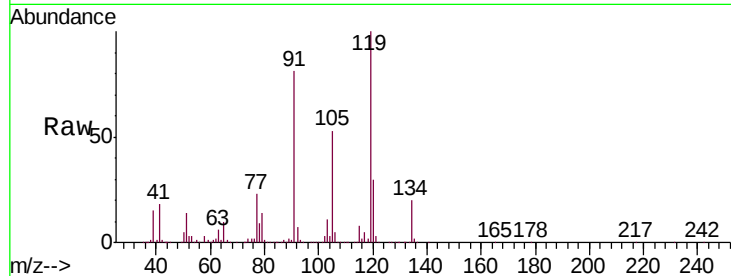




#65
 tert-Butylbenzene
 Concen: 8.051 ppbv
 RT: 16.86 min Scan# 4329
 Delta R.T. 0.00 min
 Lab File: VL034048.D
 Acq: 30 Jul 2019 2:07

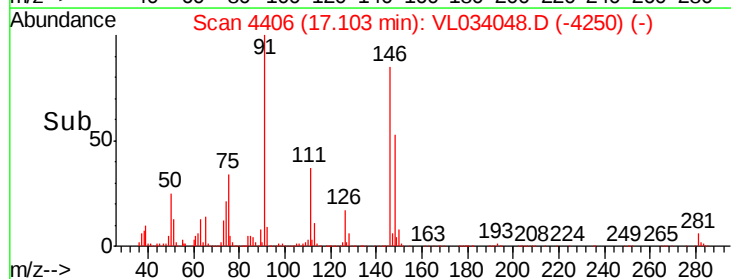
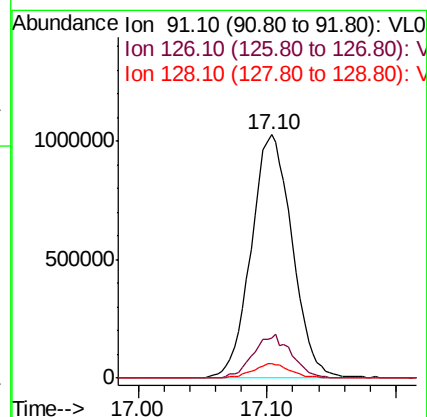
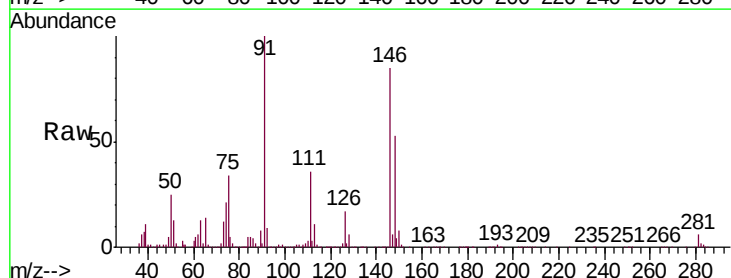
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

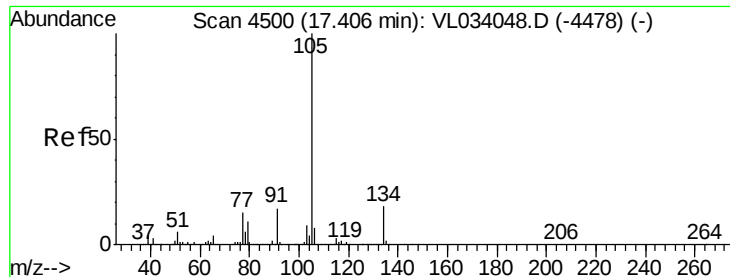
Tgt Ion: 119 Resp: 4049817
 Ion Ratio Lower Upper
 119 100
 91 83.6 66.9 100.3
 134 19.4 15.5 23.3



#66
 Benzyl Chloride
 Concen: 8.921 ppbv
 RT: 17.10 min Scan# 4406
 Delta R.T. 0.00 min
 Lab File: VL034048.D
 Acq: 30 Jul 2019 2:07

Tgt Ion: 91 Resp: 2269425
 Ion Ratio Lower Upper
 91 100
 126 16.9 13.5 20.3
 128 5.6 4.5 6.7

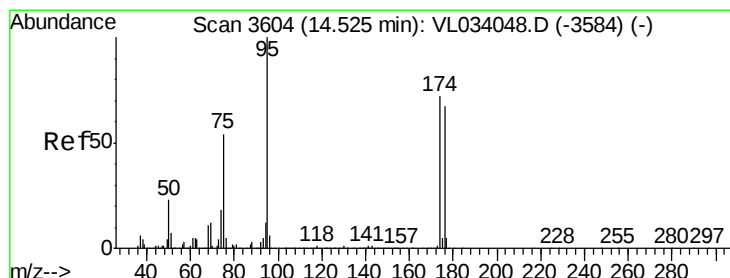
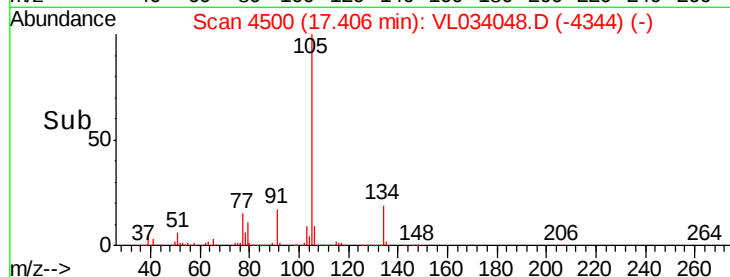
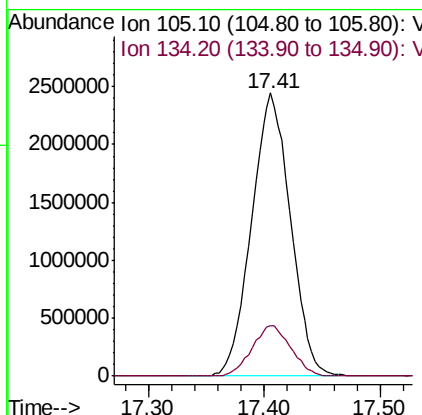
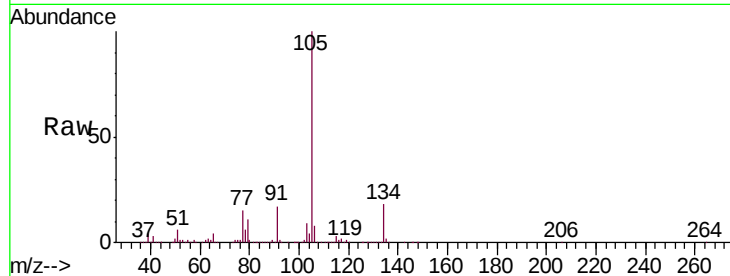




#67
 sec-Butylbenzene
 Concen: 8.011 ppbv
 RT: 17.41 min Scan# 4500
 Delta R.T. 0.00 min
 Lab File: VL034048.D
 Acq: 30 Jul 2019 2:07

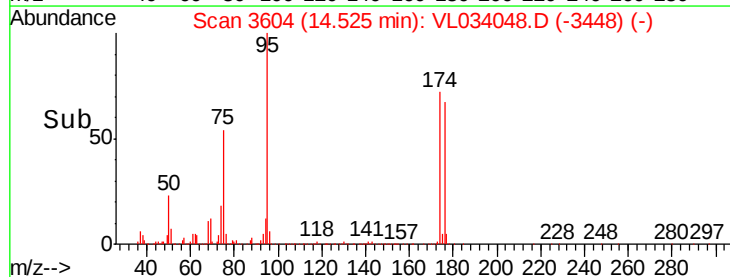
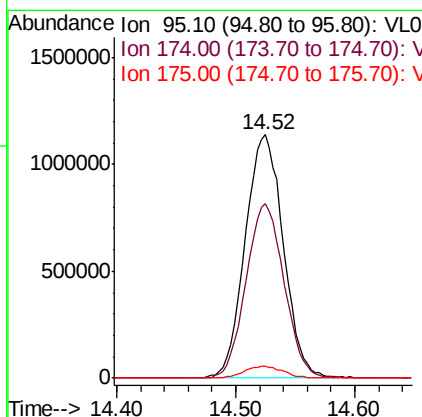
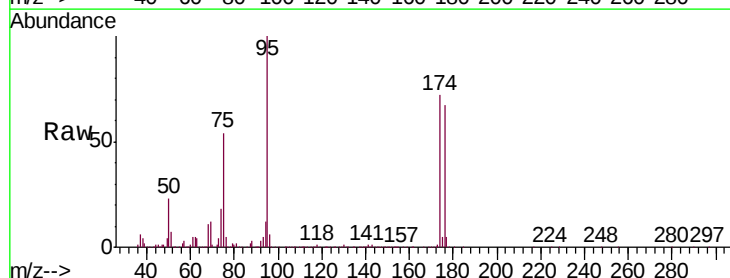
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

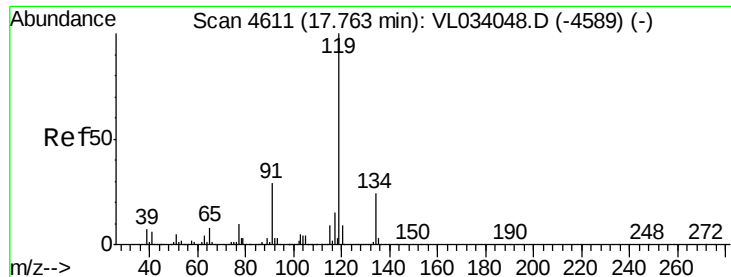
Tgt Ion: 105 Resp: 5687579
 Ion Ratio Lower Upper
 105 100
 134 18.0 14.3 21.5



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.003 ppbv
 RT: 14.52 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VL034048.D
 Acq: 30 Jul 2019 2:07

Tgt Ion: 95 Resp: 2522016
 Ion Ratio Lower Upper
 95 100
 174 72.0 57.6 86.4
 175 5.1 4.1 6.1

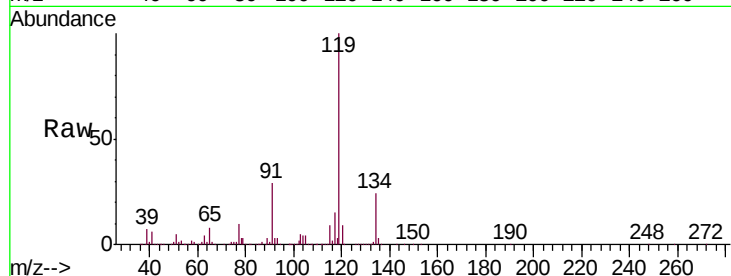




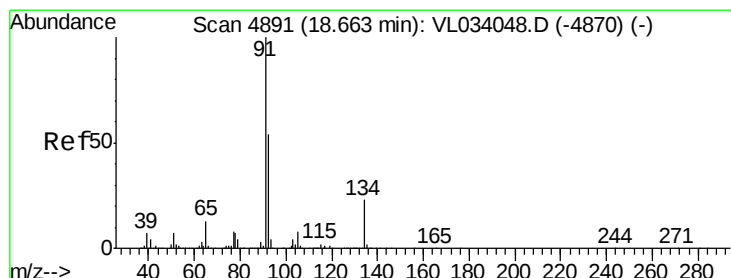
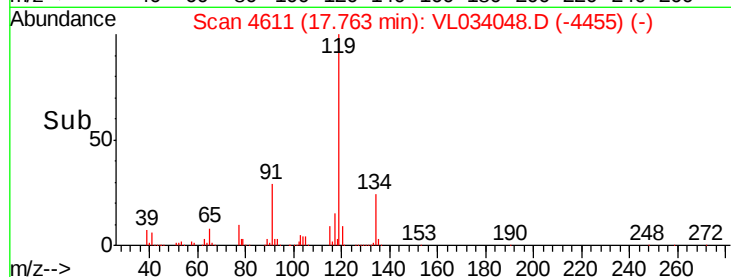
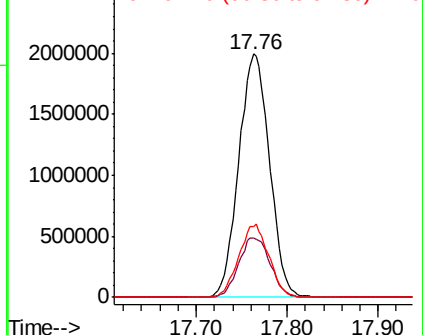
#69
 p-Isopropyltoluene
 Concen: 8.019 ppbv
 RT: 17.76 min Scan# 4611
 Delta R.T. 0.00 min
 Lab File: VL034048.D
 Acq: 30 Jul 2019 2:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 119 Resp: 4681621
 Ion Ratio Lower Upper
 119 100
 134 25.1 20.1 30.1
 91 29.5 23.6 35.4

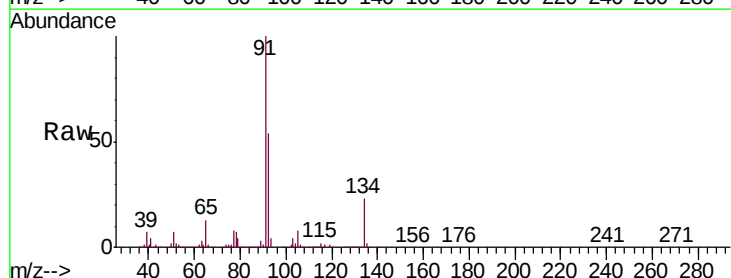


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

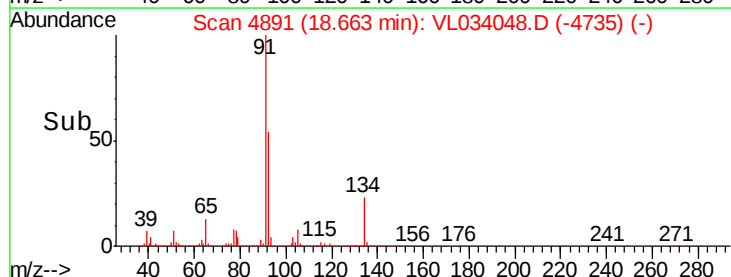
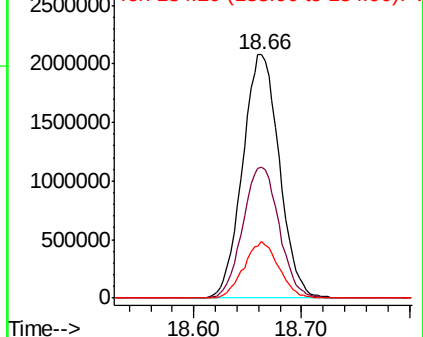


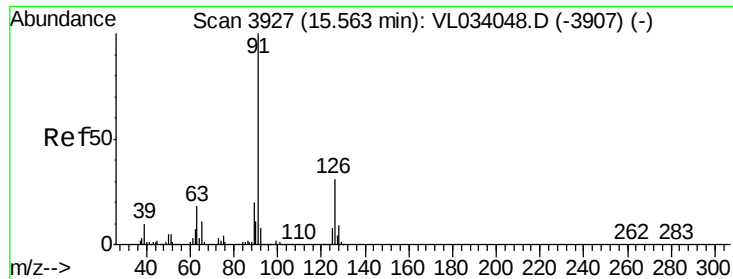
#70
 n-Butylbenzene
 Concen: 8.005 ppbv
 RT: 18.66 min Scan# 4891
 Delta R.T. 0.00 min
 Lab File: VL034048.D
 Acq: 30 Jul 2019 2:07

Tgt Ion: 91 Resp: 4918237
 Ion Ratio Lower Upper
 91 100
 92 53.3 42.6 64.0
 134 22.1 17.7 26.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 7.958 ppbv

RT: 15.56 min Scan# 3927

Delta R.T. 0.00 min

Lab File: VL034048.D

Acq: 30 Jul 2019 2:07

Instrument :

MSVOA_L

ClientSampleId :

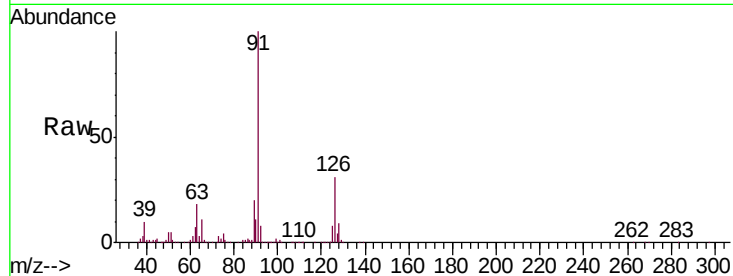
VSTDICCC010

Tgt Ion: 91 Resp: 3458042

Ion Ratio Lower Upper

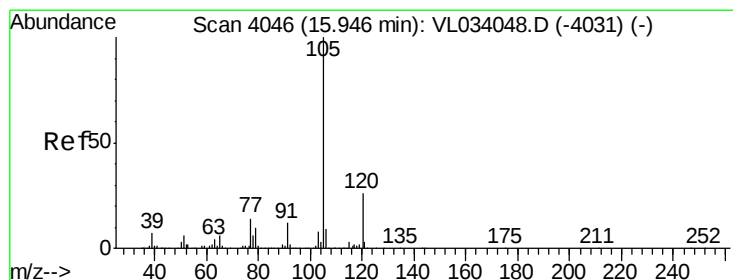
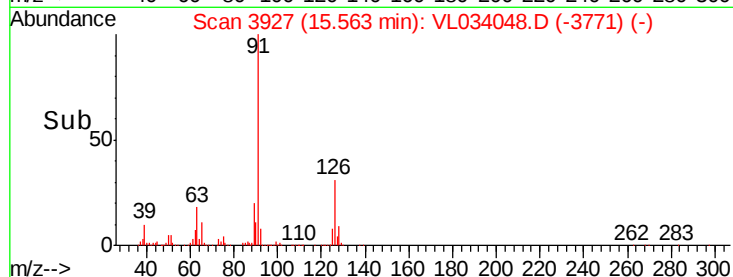
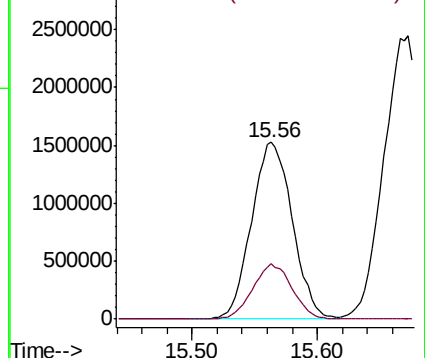
91 100

126 30.1 12.0 48.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.116 ppbv

RT: 15.95 min Scan# 4046

Delta R.T. 0.00 min

Lab File: VL034048.D

Acq: 30 Jul 2019 2:07

Tgt Ion: 105 Resp: 4063119

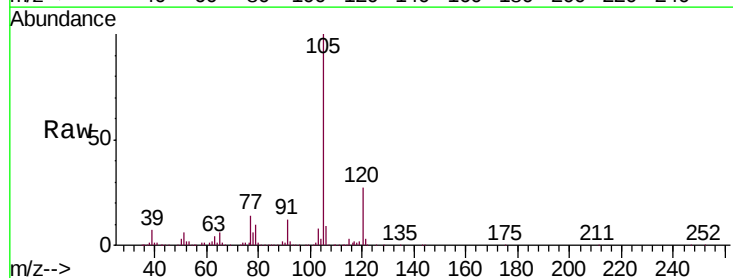
Ion Ratio Lower Upper

105 100

120 28.2 23.0 34.4

91 12.8 10.6 16.0

77 14.0 11.5 17.3

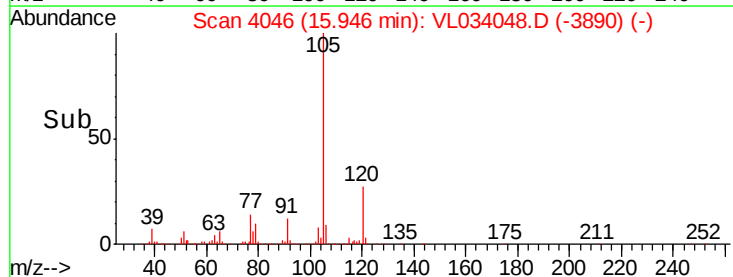
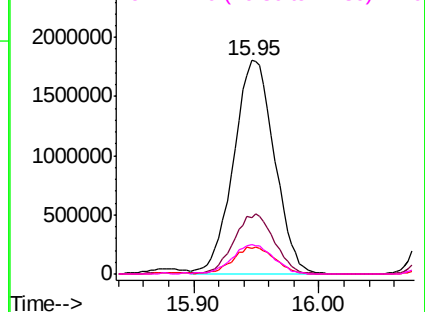


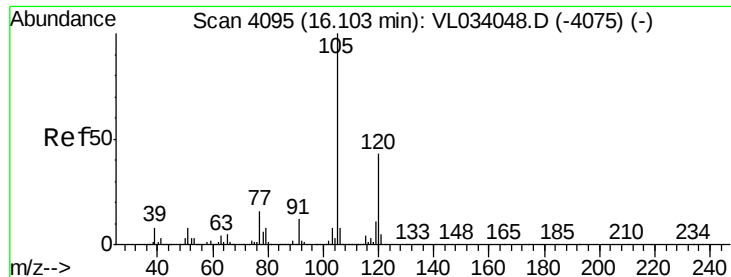
Abundance Ion 105.10 (104.80 to 105.80): V

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: 8.385 ppbv

RT: 16.10 min Scan# 4095

Delta R.T. 0.00 min

Lab File: VL034048.D

Acq: 30 Jul 2019 2:07

Instrument :

MSVOA_L

ClientSampleId :

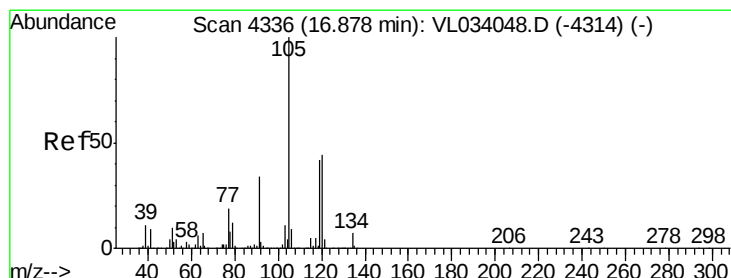
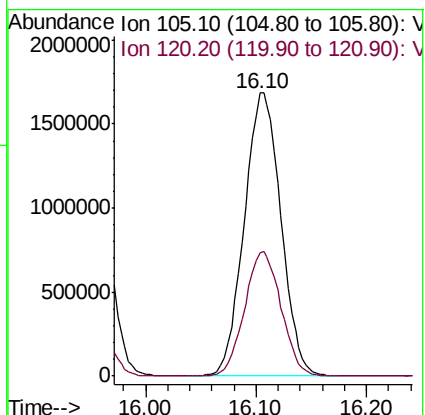
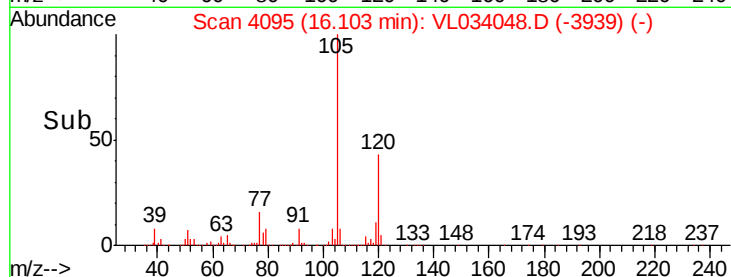
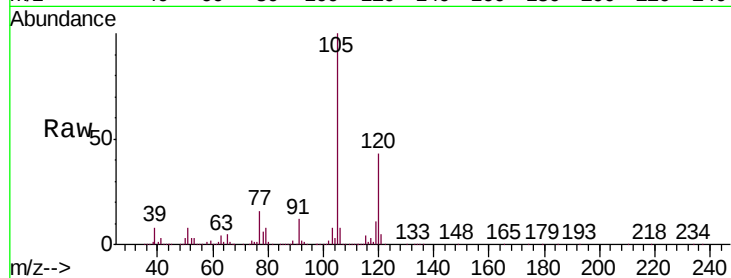
VSTDICCC010

Tgt Ion:105 Resp: 3870831

Ion Ratio Lower Upper

105 100

120 43.4 34.7 52.1



#74

1,2,4-Trimethylbenzene

Concen: 7.750 ppbv

RT: 16.88 min Scan# 4336

Delta R.T. 0.00 min

Lab File: VL034048.D

Acq: 30 Jul 2019 2:07

Tgt Ion:105 Resp: 3961528

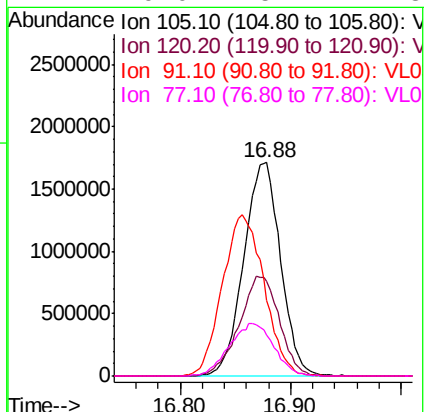
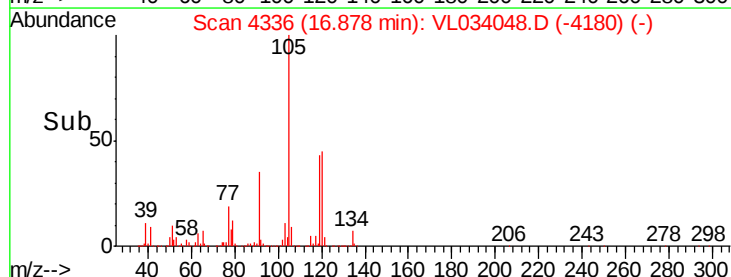
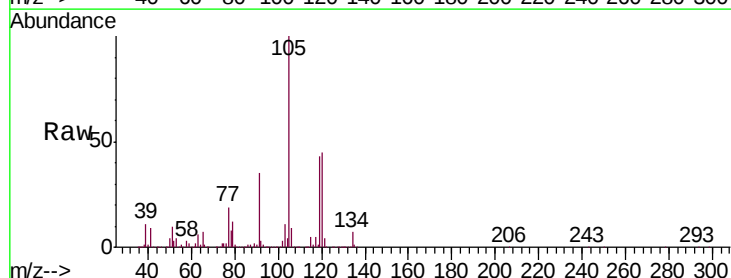
Ion Ratio Lower Upper

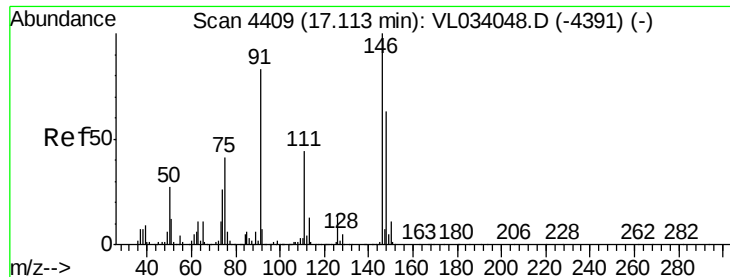
105 100

120 44.5 35.6 53.4

91 35.0 28.0 42.0

77 19.0 15.2 22.8

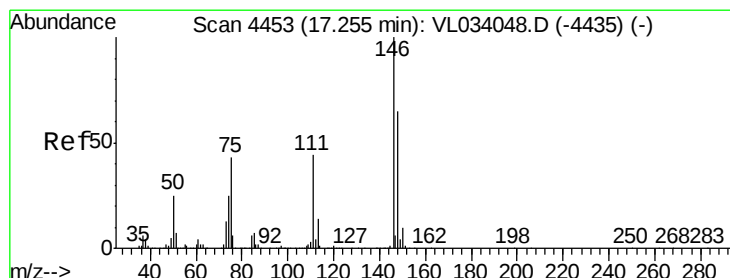
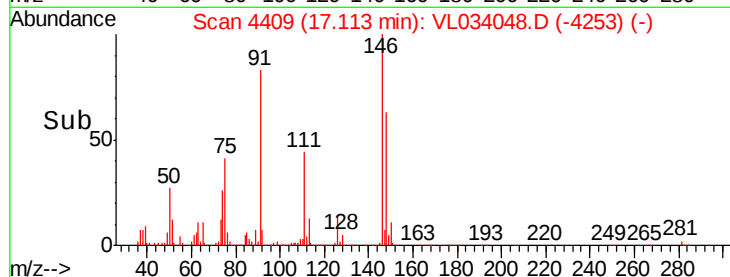
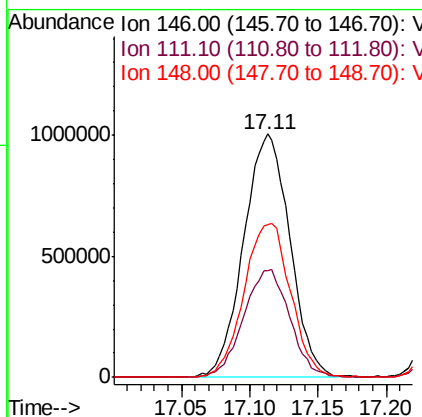
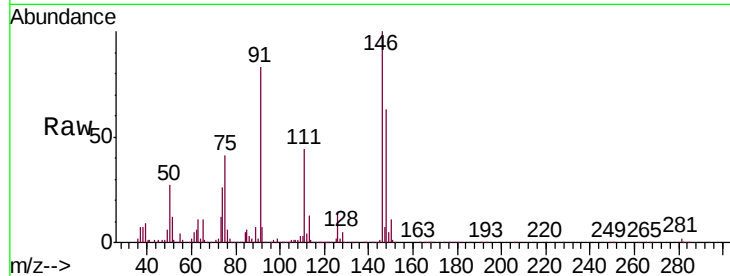




#75
 1,3-Dichlorobenzene
 Concen: 7.233 ppbv
 RT: 17.11 min Scan# 4409
 Delta R.T. 0.00 min
 Lab File: VL034048.D
 Acq: 30 Jul 2019 2:07

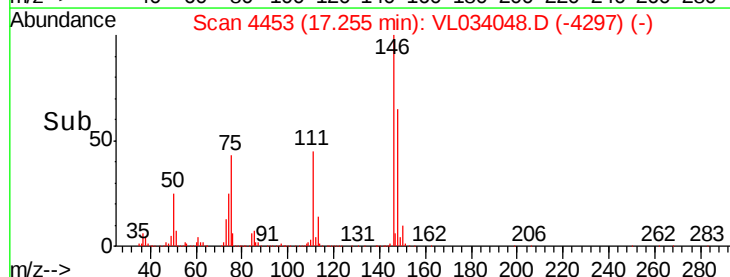
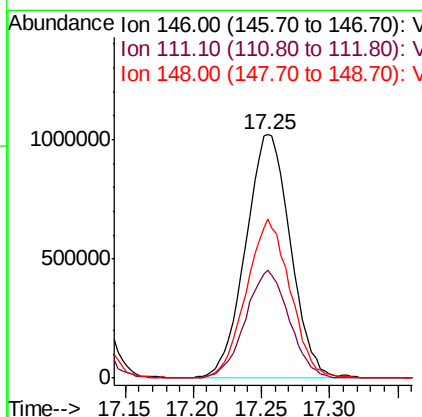
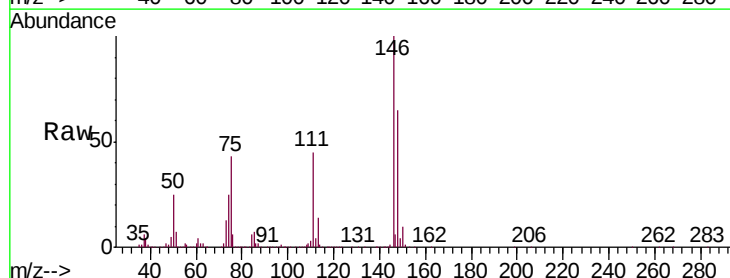
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

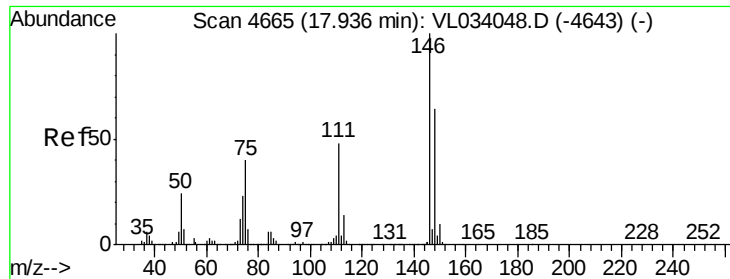
Tgt Ion:146 Resp: 2358644
 Ion Ratio Lower Upper
 146 100
 111 44.3 22.1 66.5
 148 64.1 32.0 96.2



#76
 1,4-Dichlorobenzene
 Concen: 7.536 ppbv
 RT: 17.25 min Scan# 4453
 Delta R.T. 0.00 min
 Lab File: VL034048.D
 Acq: 30 Jul 2019 2:07

Tgt Ion:146 Resp: 2312837
 Ion Ratio Lower Upper
 146 100
 111 43.6 21.8 65.4
 148 64.6 32.3 96.9

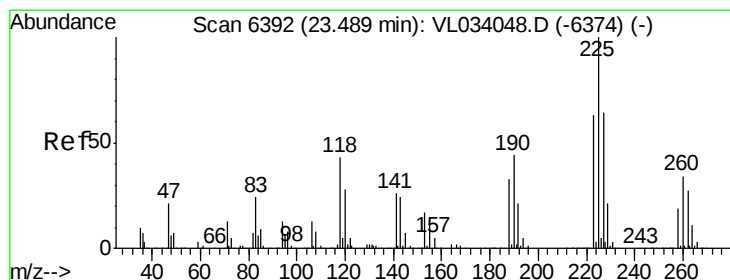
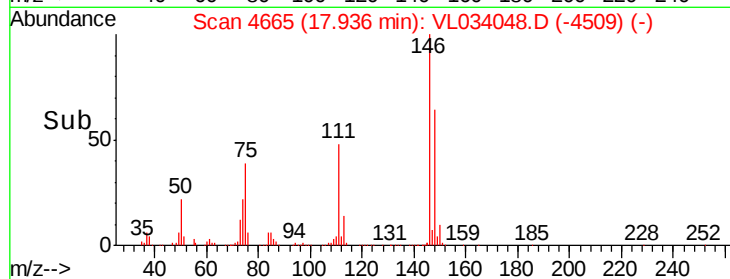
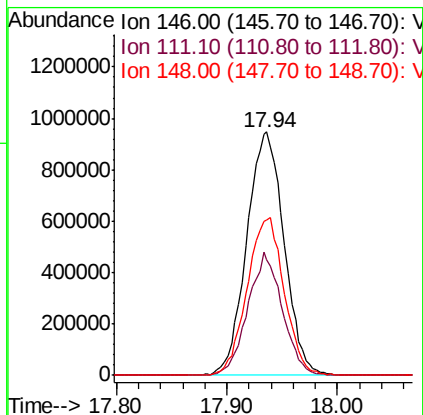
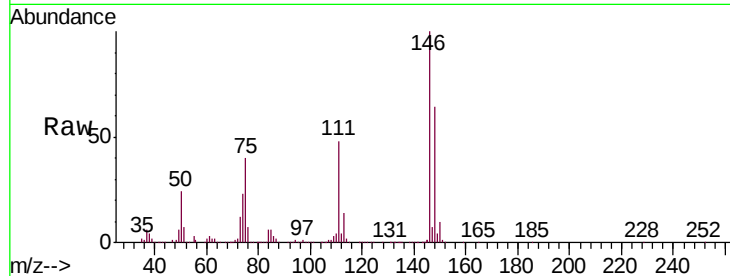




#77
 1,2-Dichlorobenzene
 Concen: 7.358 ppbv
 RT: 17.94 min Scan# 4665
 Delta R.T. 0.00 min
 Lab File: VL034048.D
 Acq: 30 Jul 2019 2:07

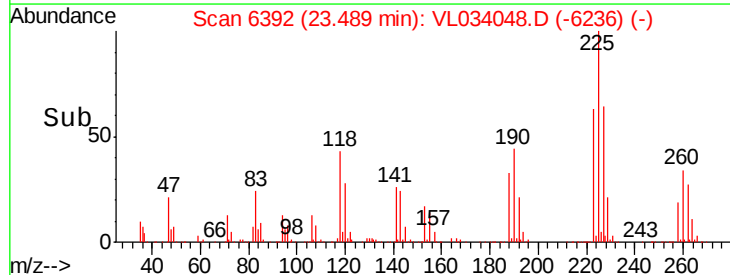
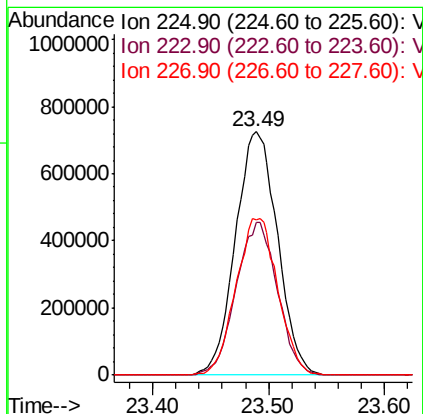
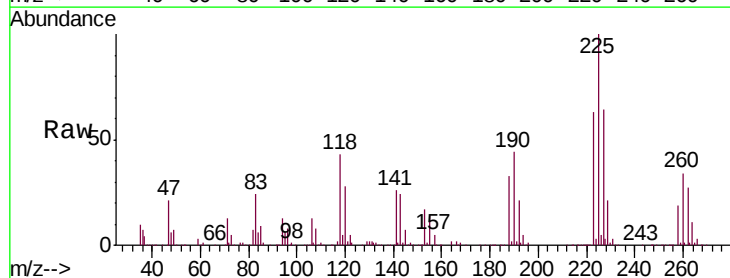
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

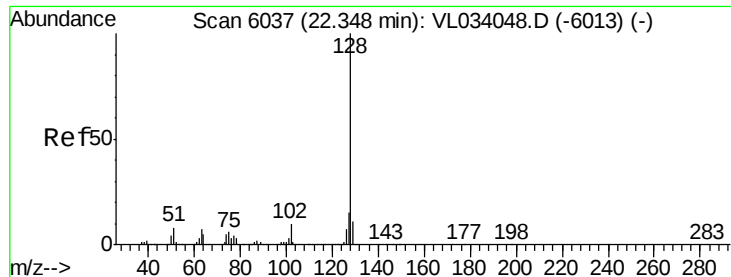
Tgt Ion:146 Resp: 2217395
 Ion Ratio Lower Upper
 146 100
 111 46.9 23.4 70.2
 148 64.6 32.3 96.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.937 ppbv
 RT: 23.49 min Scan# 6392
 Delta R.T. 0.00 min
 Lab File: VL034048.D
 Acq: 30 Jul 2019 2:07

Tgt Ion:225 Resp: 1824364
 Ion Ratio Lower Upper
 225 100
 223 61.9 49.6 74.4
 227 64.3 51.4 77.2





#79

Naphthalene

Concen: 8.505 ppbv

RT: 22.35 min Scan# 6037

Delta R.T. 0.00 min

Lab File: VL034048.D

Acq: 30 Jul 2019 2:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

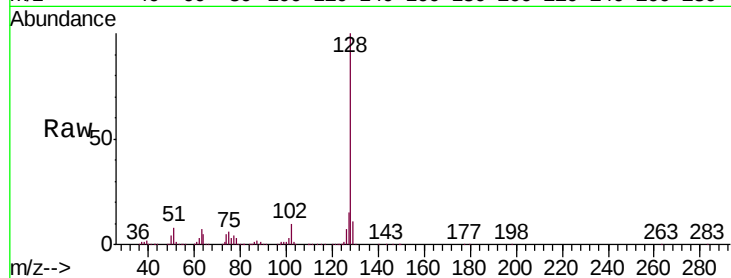
Tgt Ion:128 Resp: 3660498

Ion Ratio Lower Upper

128 100

127 14.7 11.8 17.6

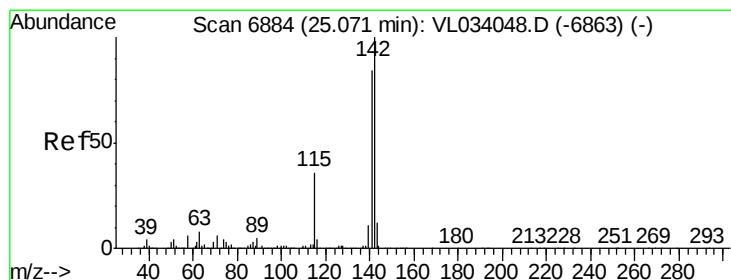
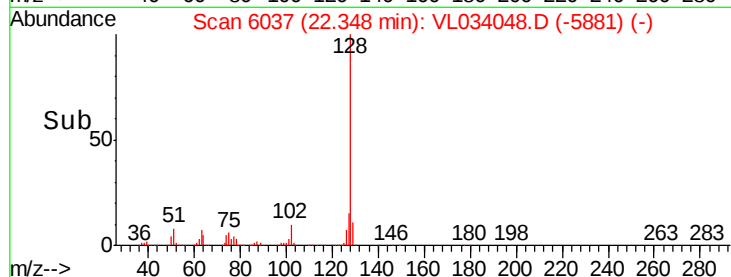
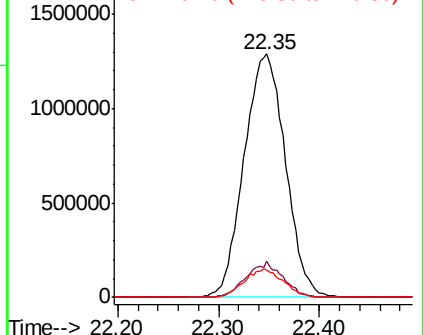
129 11.4 9.1 13.7



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: 7.581 ppbv

RT: 25.07 min Scan# 6884

Delta R.T. 0.00 min

Lab File: VL034048.D

Acq: 30 Jul 2019 2:07

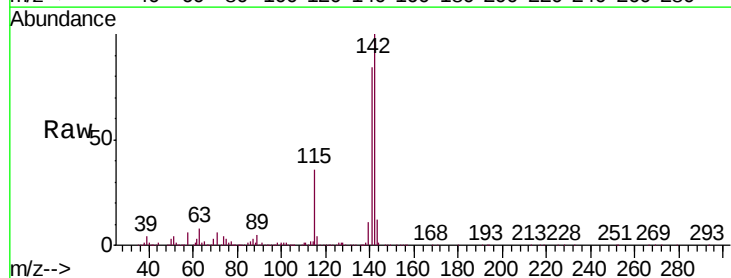
Tgt Ion:142 Resp: 1181163

Ion Ratio Lower Upper

142 100

141 85.1 67.6 101.4

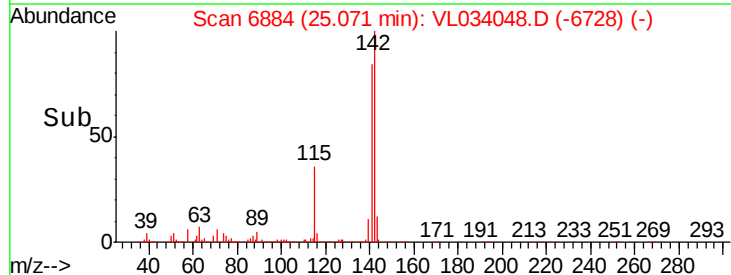
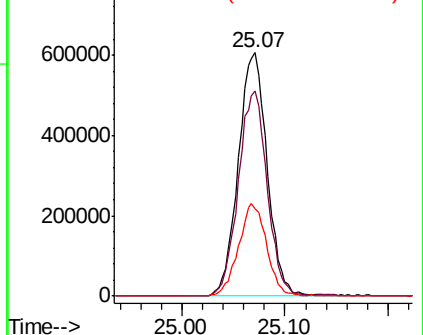
115 37.2 29.8 44.6

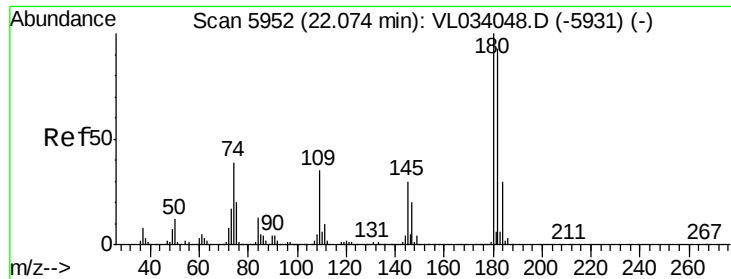


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 7.924 ppbv
 RT: 22.07 min Scan# 5952
 Delta R.T. 0.00 min
 Lab File: VL034048.D
 Acq: 30 Jul 2019 2:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion:180 Resp: 2204672
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.5 114.7
 184 30.6 24.5 36.7

