

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032320\
 Data File : VL034930.D
 Acq On : 23 Mar 2020 14:36
 Operator : SY/AP
 Sample : VL0323ABSD01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0323ABSD01

Quant Time: Mar 24 03:17:51 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	987810	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2183602	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2295692	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1839894	10.28	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.80%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.01	85	757409	5.599	ppbv	99
3) Chlorodifluoromethane	2.94	51	1104327	10.008	ppbv	99
4) Chloromethane	3.10	50	656983	10.535	ppbv	98
5) Vinyl Chloride	3.22	62	640533	10.683	ppbv	93
6) Bromomethane	3.44	94	379842	10.883	ppbv	99
7) Chloroethane	3.52	64	233932	10.804	ppbv	97
8) Dichlorotetrafluoroethane	3.15	85	1334915	9.502	ppbv	96
9) Propene	2.97	41	527898	10.020	ppbv	100
10) Heptane	8.12	43	1379924	10.643	ppbv	100
11) Trichlorofluoromethane	3.92	101	1422853	9.887	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1010735	10.035	ppbv	96
13) Ethanol	3.57	45	154568	9.650	ppbv	92
14) Bromoethene	3.70	108	450781	10.363	ppbv	100
15) Acetone	3.82	43	1161618	9.073	ppbv	99
16) 1,3-Butadiene	3.29	39	587039	10.140	ppbv	100
17) tert-Butyl alcohol	4.27	59	1033965	8.383	ppbv	99
18) 1,1-Dichloroethene	4.26	96	467963	10.492	ppbv	99
19) Isopropyl Alcohol	3.94	45	773581	9.568	ppbv #	40
20) Methylene Chloride	4.32	84	412673	10.195	ppbv	91
21) Allyl Chloride	4.38	41	814650	9.907	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	471229	10.414	ppbv	97
23) Vinyl Acetate	5.05	43	1909559	10.097	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1292352	10.193	ppbv	99
25) Ethyl Acetate	5.66	43	2271257	9.957	ppbv	100
26) Hexane	5.67	57	1026035	10.446	ppbv	97
27) Carbon Disulfide	4.52	76	1196525	10.735	ppbv	98
28) Methyl tert-Butyl Ether	5.01	73	1541922	9.435	ppbv	99
29) Chloroform	5.74	83	1524108	10.170	ppbv	99
30) Cyclohexane	7.13	84	853464	10.414	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1040068	10.354	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	1457769	9.983	ppbv	98
34) 2-Butanone	5.23	43	1525923	10.516	ppbv	100
35) Carbon Tetrachloride	7.02	117	1493424	10.996	ppbv	99
36) Benzene	6.89	78	2024156	10.400	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1188466	10.829	ppbv	99
38) Trichloroethene	7.84	130	744496	10.072	ppbv	98
39) 1,2-Dichloropropane	7.62	63	803224	10.416	ppbv	98
40) 1,4-Dioxane	7.83	88	308327m	10.587	ppbv	
41) Tetrahydrofuran	6.04	42	860771	10.963	ppbv	99
42) Bromodichloromethane	7.80	83	1623401	10.853	ppbv	97
43) Methyl Methacrylate	8.02	69	912709	11.131	ppbv	97

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Quant Time: Mar 24 03:17:51 2020
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 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

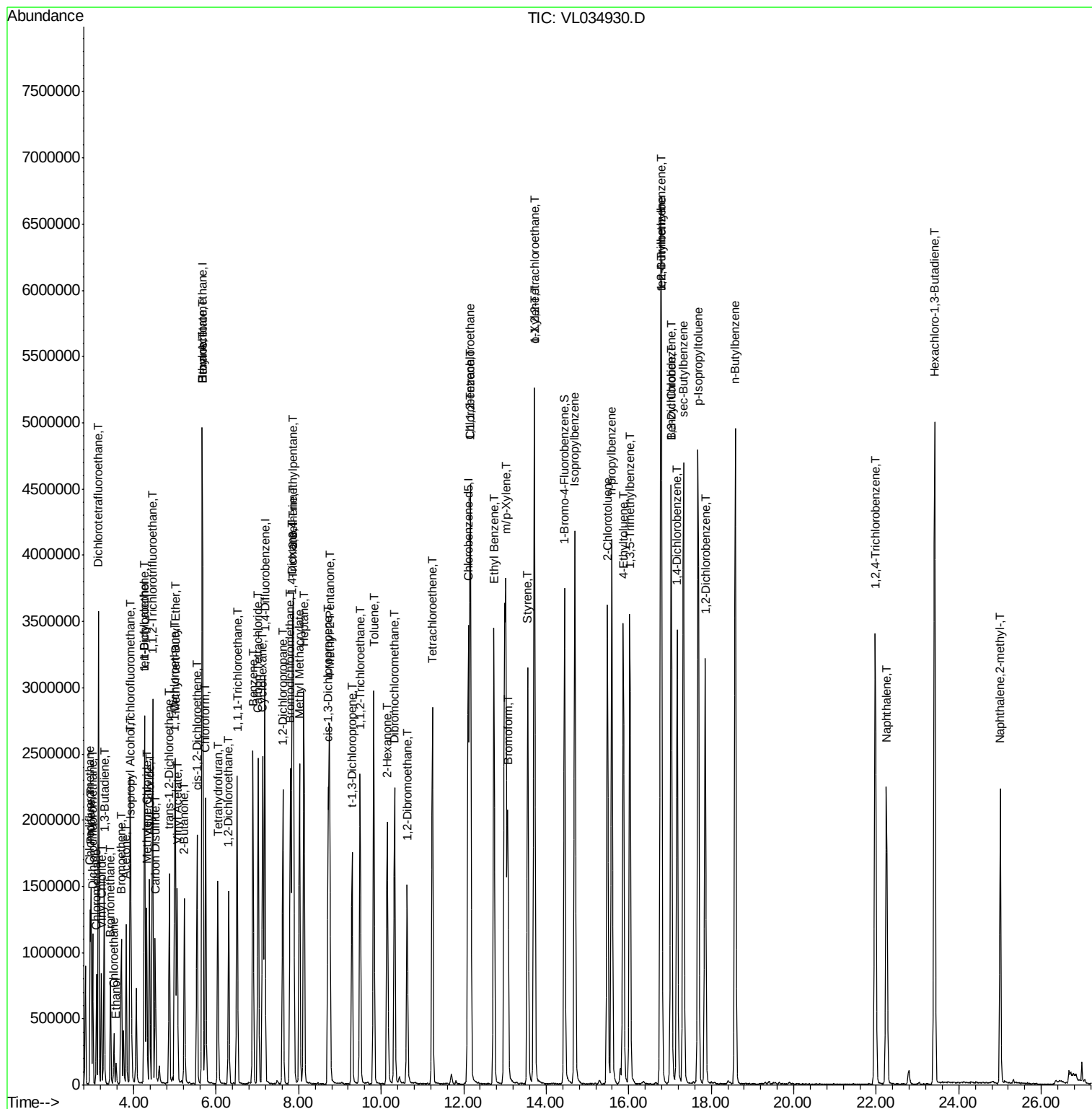
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3509697	10.671	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1039336	10.789	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1210766	10.576	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	831338	10.505	ppbv	98
48) Dibromochloromethane	10.32	129	1359252	10.606	ppbv	100
49) Bromoform	13.07	173	1186709	10.385	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2235533	10.702	ppbv	100
51) 2-Hexanone	10.14	43	1839437	10.835	ppbv #	100
52) Tetrachloroethene	11.24	164	711551	9.241	ppbv	98
53) Toluene	9.82	91	2345332	10.435	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1264057	10.611	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.15	131	1011195	9.806	ppbv	98
57) Chlorobenzene	12.17	112	1743616	9.707	ppbv	97
58) Ethyl Benzene	12.73	91	3141829	10.106	ppbv	99
59) m/p-Xylene	13.02	91	5209238m	20.000	ppbv	
60) o-Xylene	13.72	91	2557013	10.055	ppbv	99
61) Styrene	13.55	104	1874625	10.504	ppbv	98
62) Isopropylbenzene	14.70	105	3777833	9.825	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	1817646	10.528	ppbv	100
64) n-propylbenzene	15.59	120	994356	9.935	ppbv	90
65) tert-Butylbenzene	16.78	119	3288289	9.782	ppbv	97
66) Benzyl Chloride	17.02	91	1280776	9.138	ppbv	97
67) sec-Butylbenzene	17.33	105	4730315	10.148	ppbv	99
69) p-Isopropyltoluene	17.68	119	3933661	10.065	ppbv	99
70) n-Butylbenzene	18.58	91	4218857	10.580	ppbv	99
71) 2-Chlorotoluene	15.48	91	2950408	10.132	ppbv	98
72) 4-Ethyltoluene	15.87	105	3051333	10.160	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	2852741	10.147	ppbv	95
74) 1,2,4-Trimethylbenzene	16.80	105	2965072	10.237	ppbv	95
75) 1,3-Dichlorobenzene	17.03	146	1715315	9.822	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1718418	9.860	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	1677933	9.912	ppbv	98
78) Hexachloro-1,3-Butadiene	23.41	225	1381128	9.768	ppbv	100
79) Naphthalene	22.25	128	2856590	12.646	ppbv	99
80) Naphthalene, 2-methyl-	25.01	142	1215936	20.599	ppbv	99
81) 1,2,4-Trichlorobenzene	21.98	180	1645417	11.466	ppbv	99

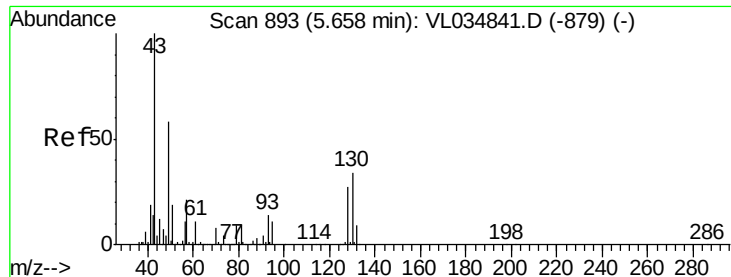
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VL034930.D  
Acq On    : 23 Mar 2020  14:36  
Operator  : SY/AP  
Sample    : VL0323ABSD01  
Misc      : 400ml/MSVOA_L  
ALS Vial  : 1    Sample Multiplier: 1
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Instrument :
MSVOA_L
ClientSampleId :
VL0323ABSD01

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Quant Method : Z:\VQASRV\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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.00 min

Lab File: VL034930.D

Acq: 23 Mar 2020 14:36

Instrument :

MSVOA_L

ClientSampleId :

VL0323ABSD01

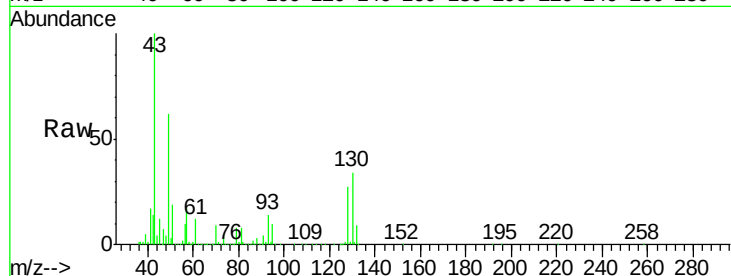
Tgt Ion: 49 Resp: 987810

Ion Ratio Lower Upper

49 100

128 44.8 23.4 70.3

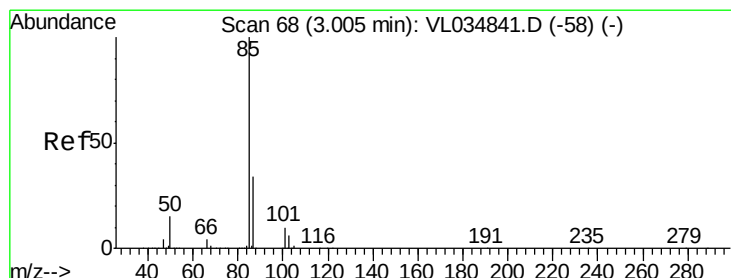
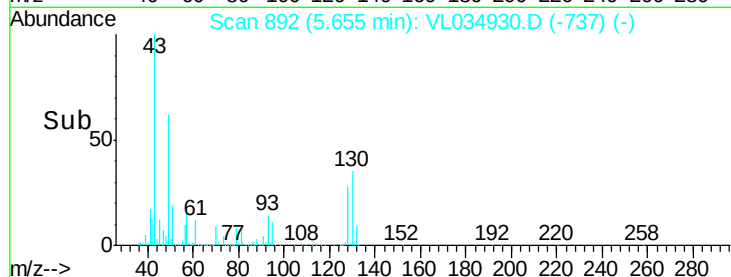
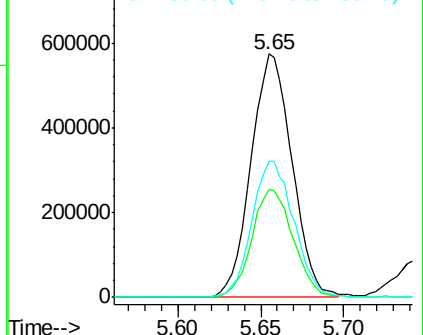
130 57.3 30.0 90.0



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: 5.599 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL034930.D

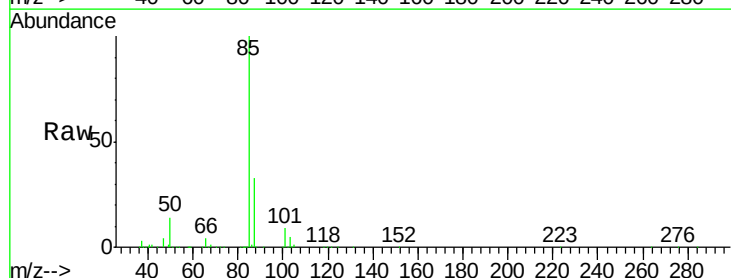
Acq: 23 Mar 2020 14:36

Tgt Ion: 85 Resp: 757409

Ion Ratio Lower Upper

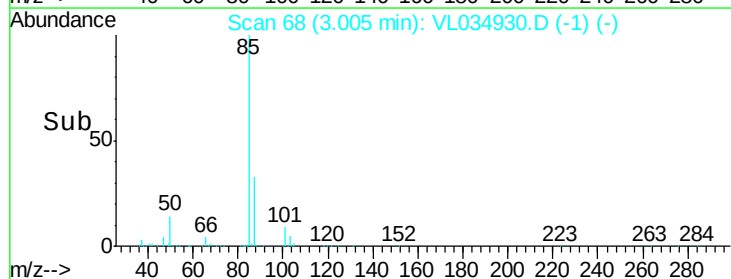
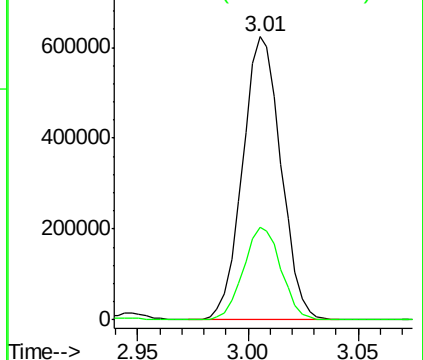
85 100

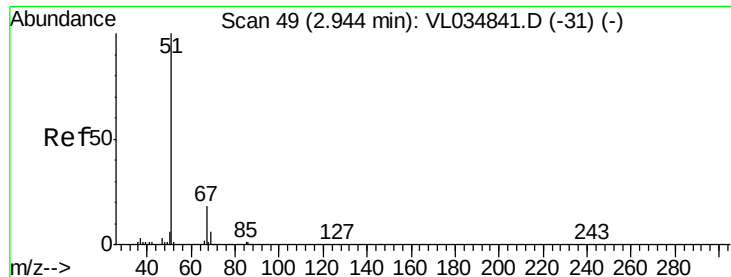
87 32.8 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.008 ppbv

RT: 2.94 min Scan# 49

Delta R.T. 0.00 min

Lab File: VL034930.D

Acq: 23 Mar 2020 14:36

Instrument :

MSVOA_L

ClientSampleId :

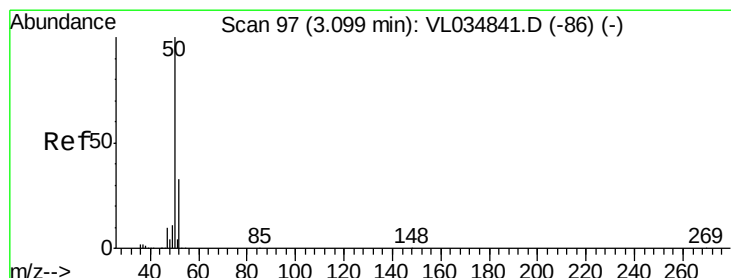
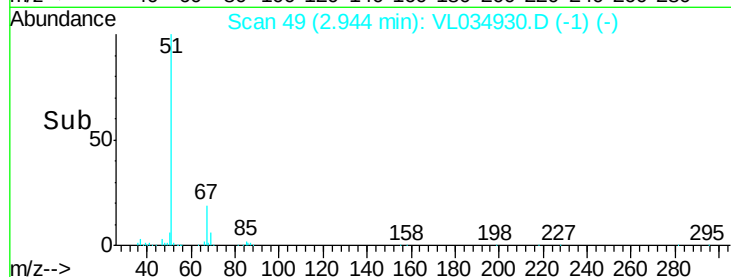
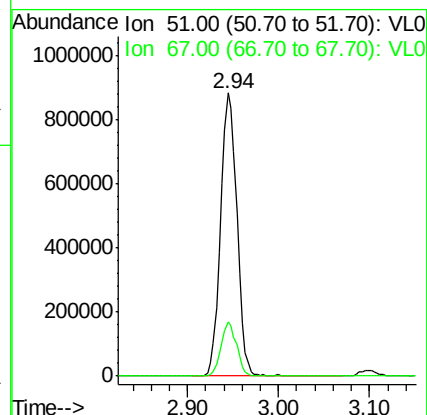
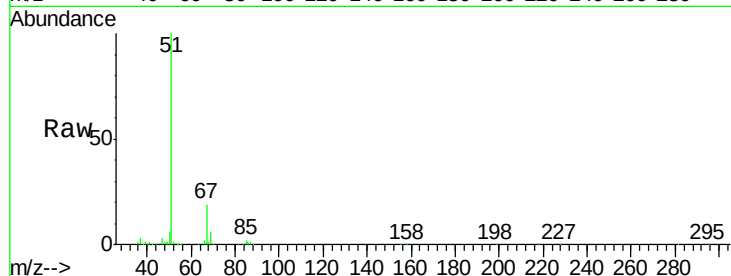
VL0323ABSD01

Tgt Ion: 51 Resp: 1104327

Ion Ratio Lower Upper

51 100

67 18.4 14.3 21.5



#4

Chloromethane

Concen: 10.535 ppbv

RT: 3.10 min Scan# 97

Delta R.T. 0.00 min

Lab File: VL034930.D

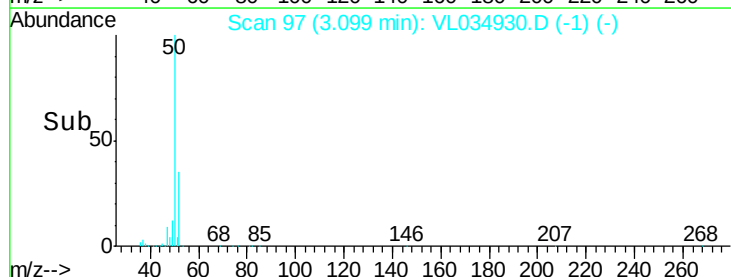
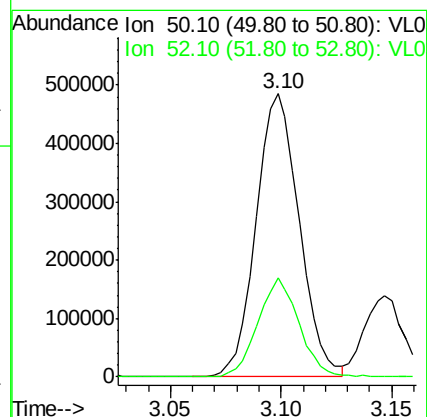
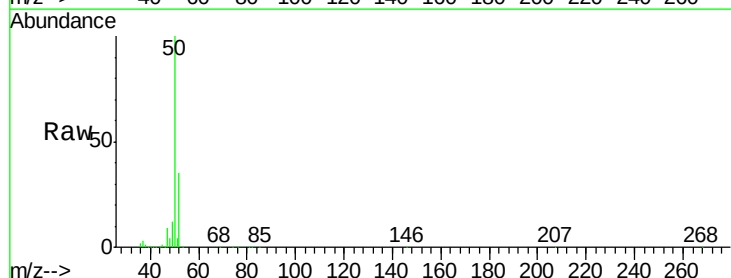
Acq: 23 Mar 2020 14:36

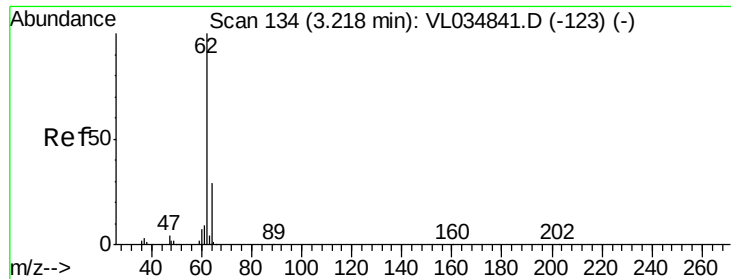
Tgt Ion: 50 Resp: 656983

Ion Ratio Lower Upper

50 100

52 34.9 26.8 40.2





#5

Vinyl Chloride

Concen: 10.683 ppbv

RT: 3.22 min Scan# 134

Delta R.T. 0.00 min

Lab File: VL034930.D

Acq: 23 Mar 2020 14:36

Instrument :

MSVOA_L

ClientSampleId :

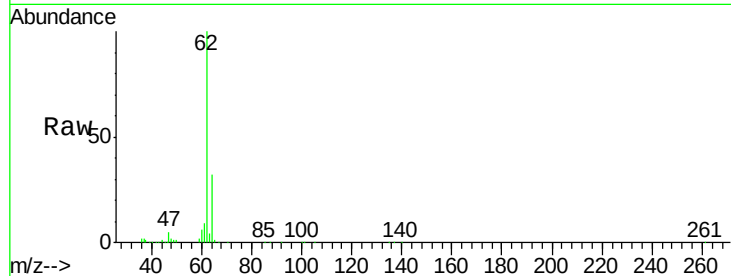
VL0323ABSD01

Tgt Ion: 62 Resp: 640533

Ion Ratio Lower Upper

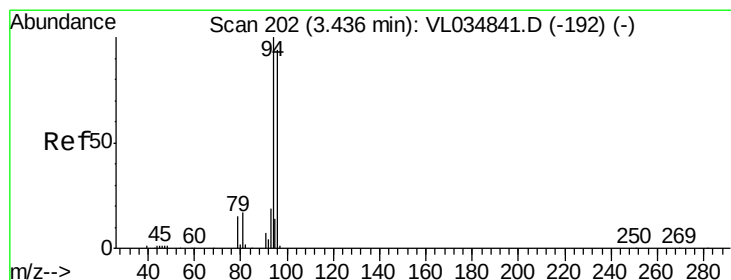
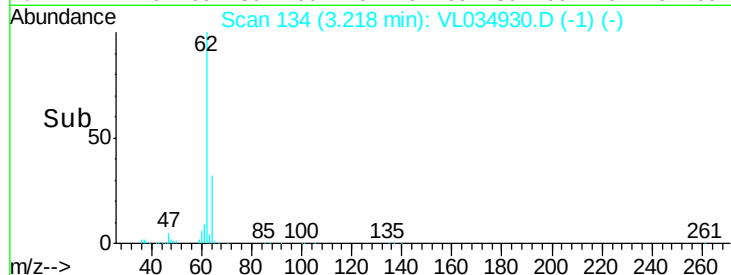
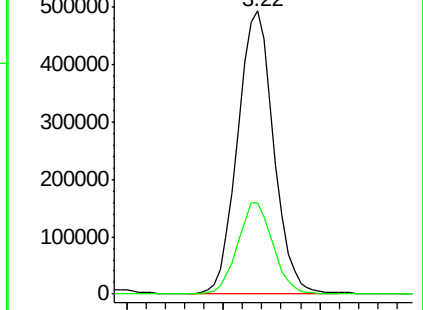
62 100

64 32.4 23.0 34.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.883 ppbv

RT: 3.44 min Scan# 202

Delta R.T. 0.00 min

Lab File: VL034930.D

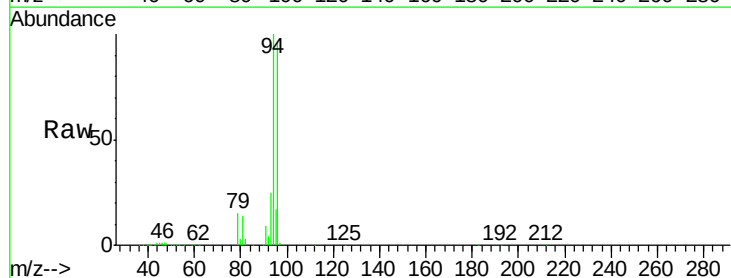
Acq: 23 Mar 2020 14:36

Tgt Ion: 94 Resp: 379842

Ion Ratio Lower Upper

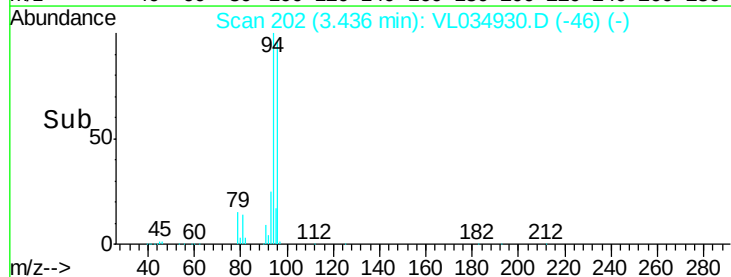
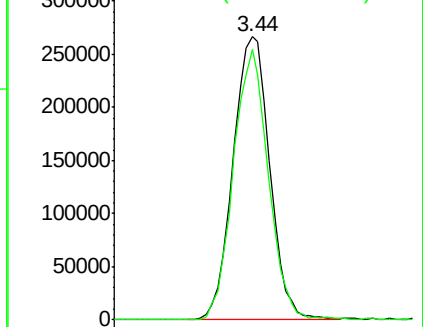
94 100

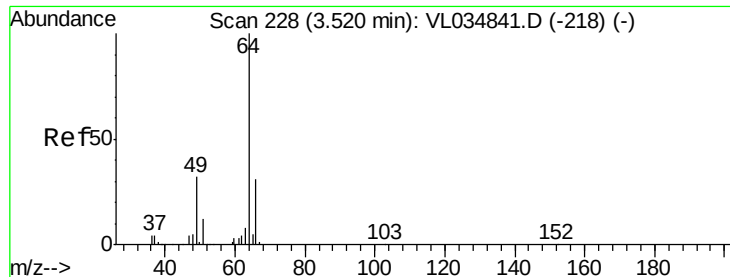
96 95.6 75.5 113.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.804 ppbv

RT: 3.52 min Scan# 228

Delta R.T. 0.00 min

Lab File: VL034930.D

Acq: 23 Mar 2020 14:36

Instrument :

MSVOA_L

ClientSampleId :

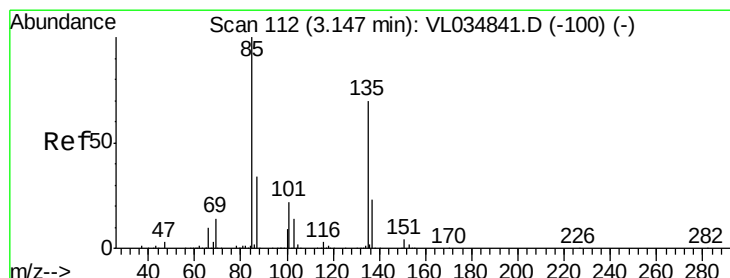
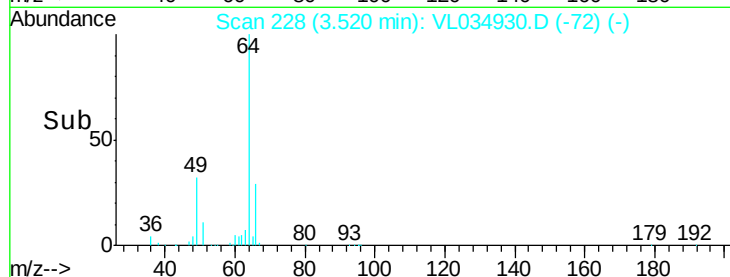
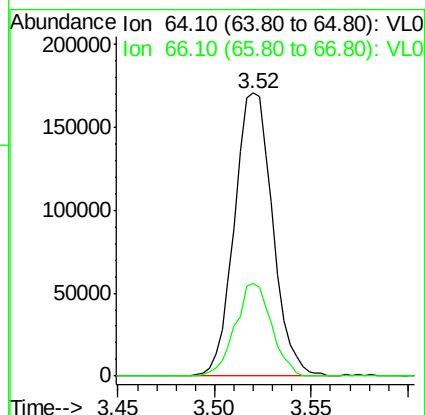
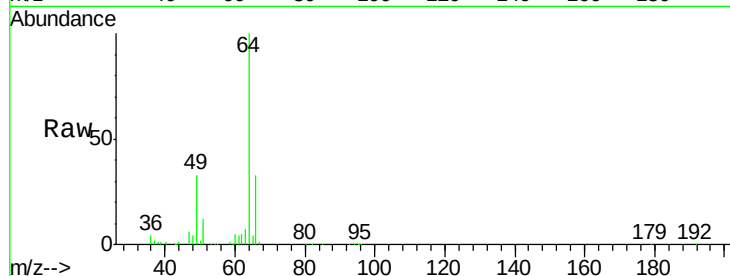
VL0323ABSD01

Tgt Ion: 64 Resp: 233932

Ion Ratio Lower Upper

64 100

66 32.9 24.8 37.2



#8

Dichlorotetrafluoroethane

Concen: 9.502 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL034930.D

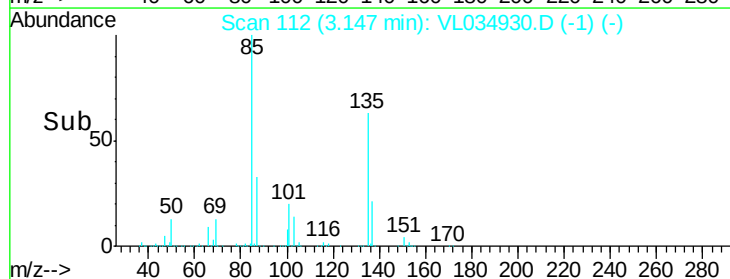
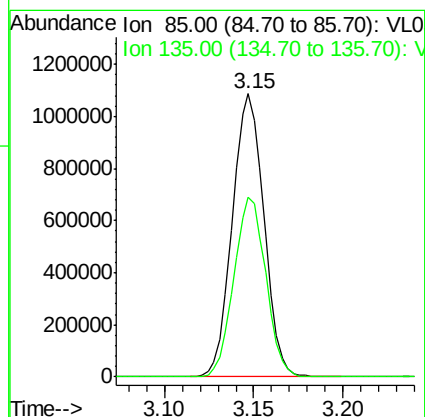
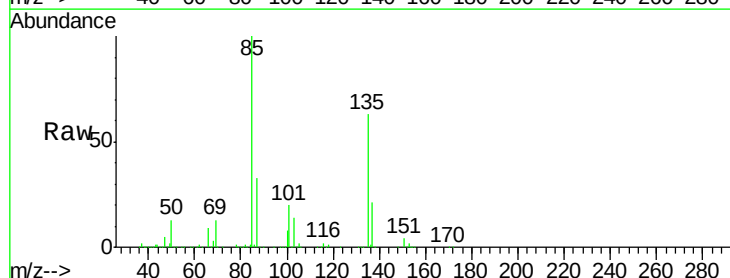
Acq: 23 Mar 2020 14:36

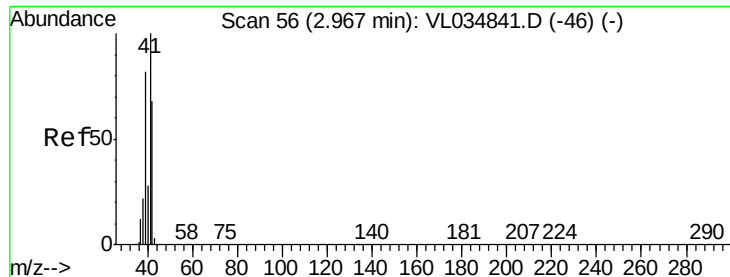
Tgt Ion: 85 Resp: 1334915

Ion Ratio Lower Upper

85 100

135 64.6 54.3 81.5





#9

Propene

Concen: 10.020 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.00 min

Lab File: VL034930.D

Acq: 23 Mar 2020 14:36

Instrument :

MSVOA_L

ClientSampleId :

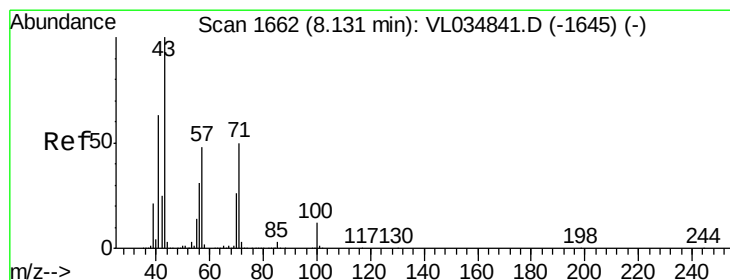
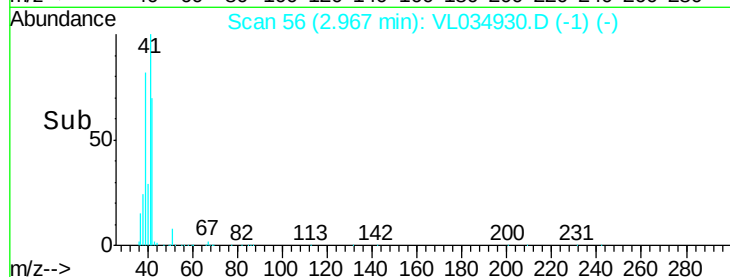
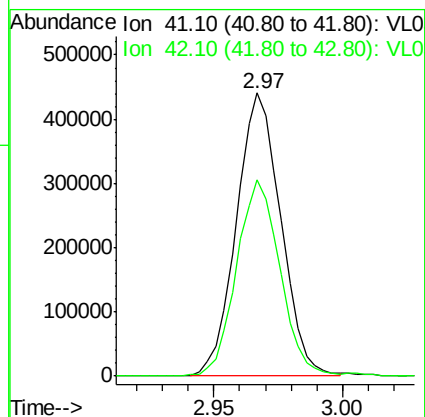
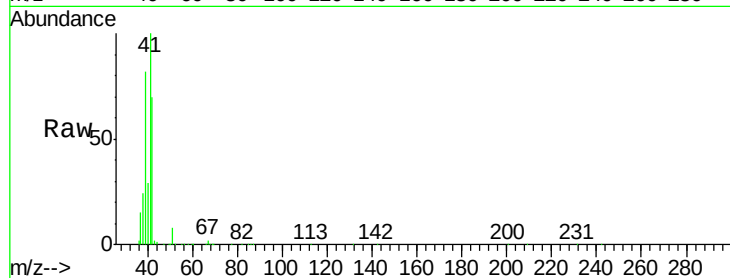
VL0323ABSD01

Tgt Ion: 41 Resp: 527898

Ion Ratio Lower Upper

41 100

42 69.0 55.2 82.8



#10

Heptane

Concen: 10.643 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.01 min

Lab File: VL034930.D

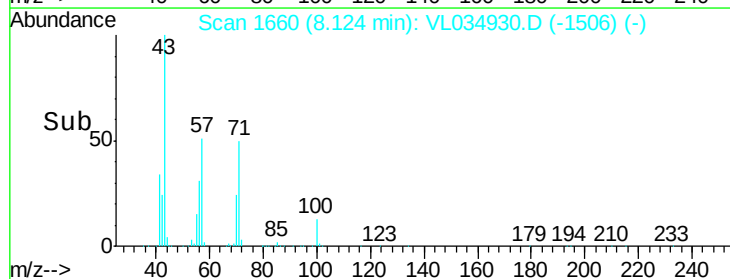
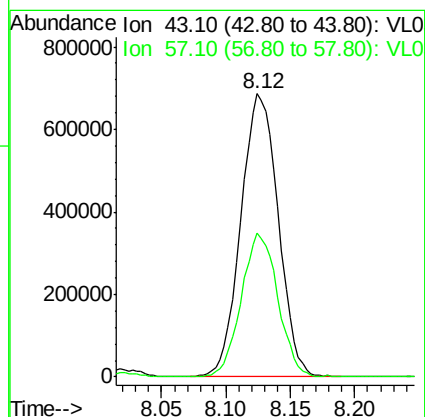
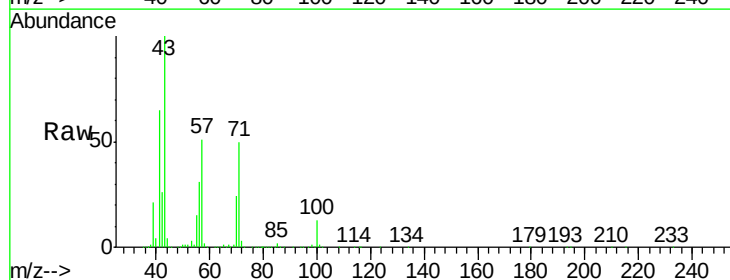
Acq: 23 Mar 2020 14:36

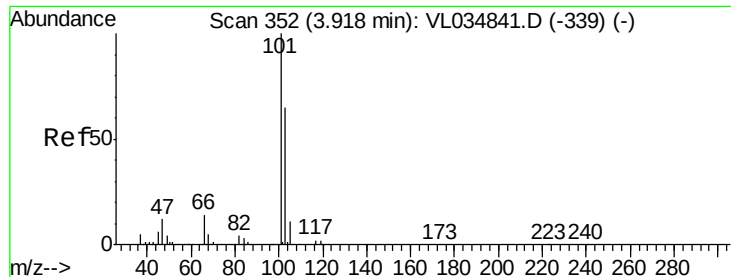
Tgt Ion: 43 Resp: 1379924

Ion Ratio Lower Upper

43 100

57 49.8 39.7 59.5





#11

Trichlorofluoromethane

Concen: 9.887 ppbv

RT: 3.92 min Scan# 352

Delta R.T. 0.00 min

Lab File: VL034930.D

Acq: 23 Mar 2020 14:36

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ClientSampleId :

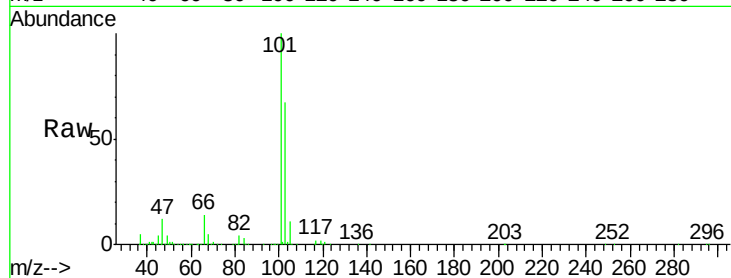
VL0323ABSD01

Tgt Ion:101 Resp: 1422853

Ion Ratio Lower Upper

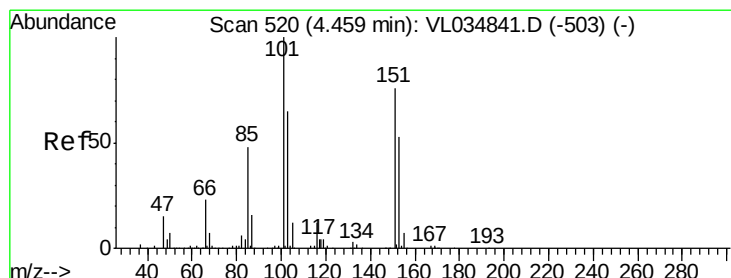
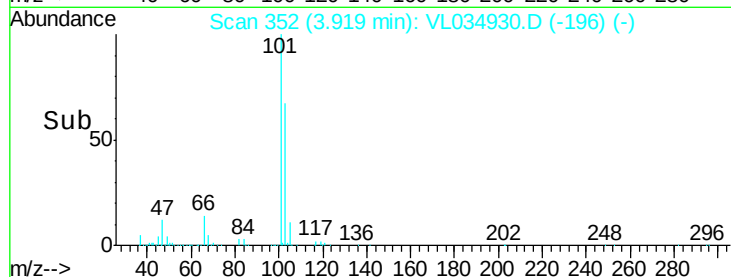
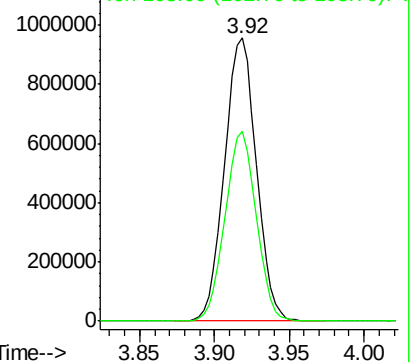
101 100

103 66.9 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.035 ppbv

RT: 4.46 min Scan# 520

Delta R.T. 0.00 min

Lab File: VL034930.D

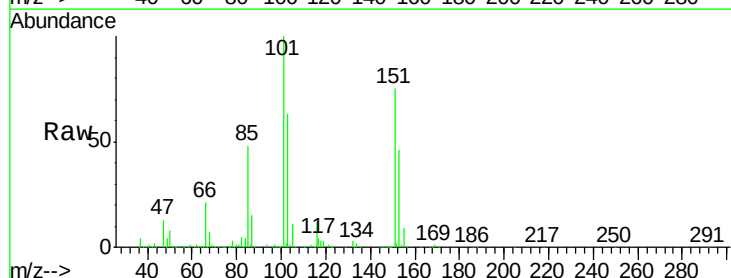
Acq: 23 Mar 2020 14:36

Tgt Ion:101 Resp: 1010735

Ion Ratio Lower Upper

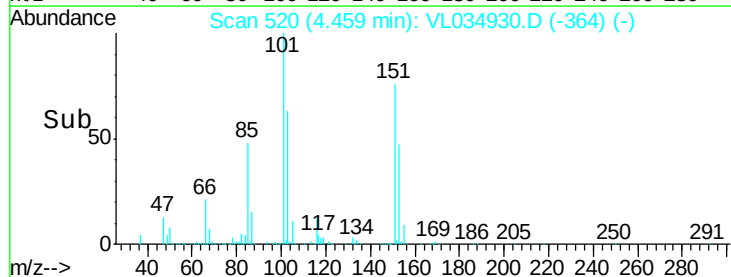
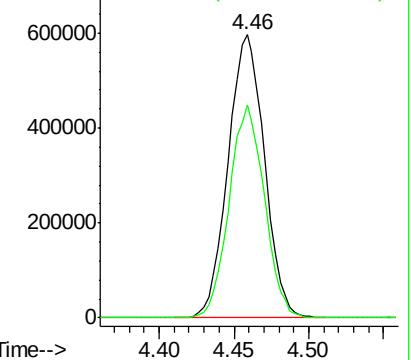
101 100

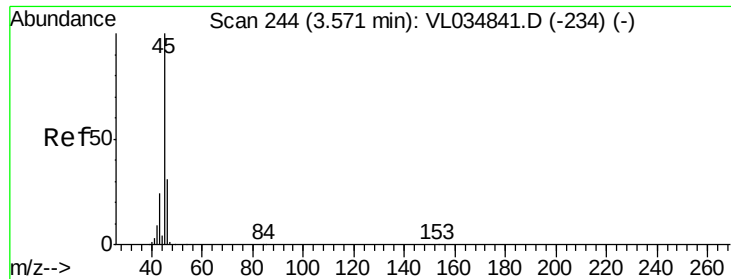
151 72.9 60.8 91.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 9.650 ppbv

RT: 3.57 min Scan# 244

Delta R.T. 0.00 min

Lab File: VL034930.D

Acq: 23 Mar 2020 14:36

Instrument :

MSVOA_L

ClientSampleId :

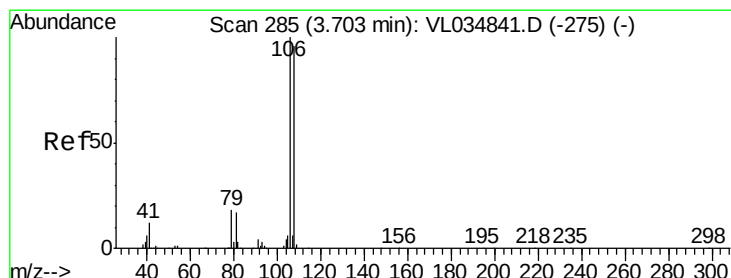
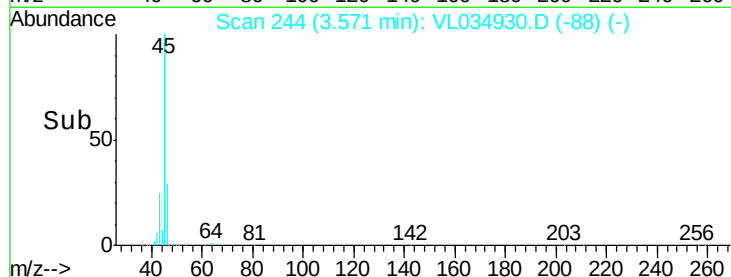
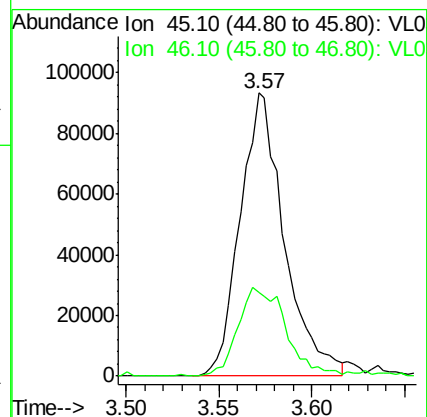
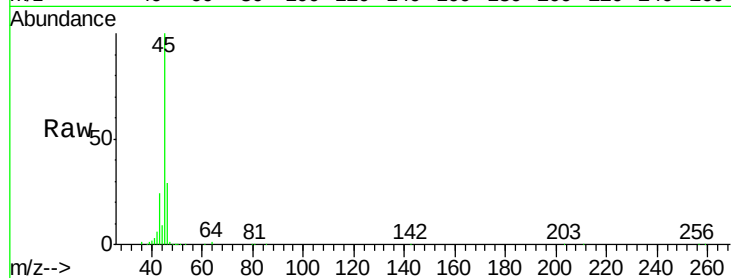
VL0323ABSD01

Tgt Ion: 45 Resp: 154568

Ion Ratio Lower Upper

45 100

46 35.4 16.0 64.0



#14

Bromoethene

Concen: 10.363 ppbv

RT: 3.70 min Scan# 285

Delta R.T. 0.00 min

Lab File: VL034930.D

Acq: 23 Mar 2020 14:36

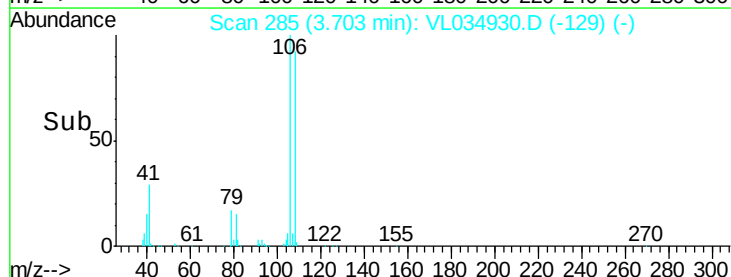
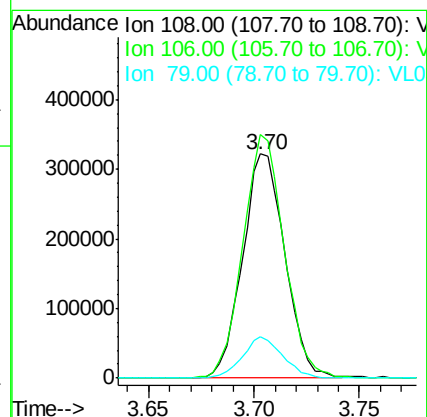
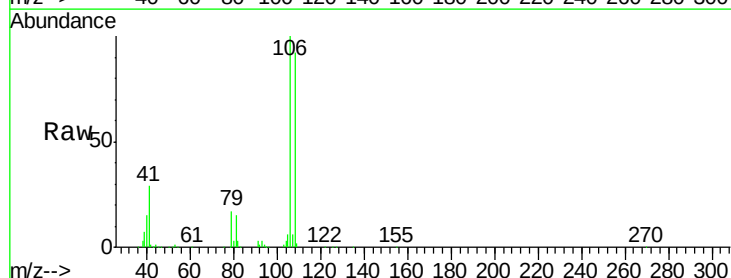
Tgt Ion: 108 Resp: 450781

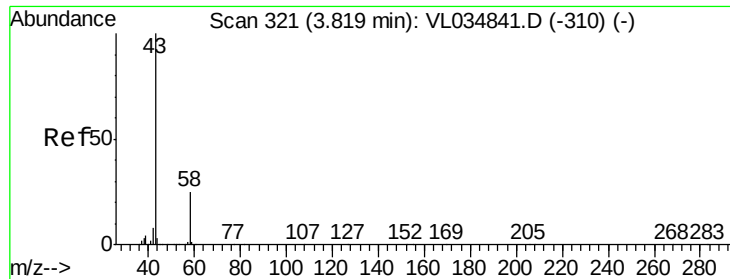
Ion Ratio Lower Upper

108 100

106 106.3 85.1 127.7

79 17.9 14.7 22.1





#15

Acetone

Concen: 9.073 ppbv

RT: 3.82 min Scan# 320

Delta R.T. -0.00 min

Lab File: VL034930.D

Acq: 23 Mar 2020 14:36

Instrument :

MSVOA_L

ClientSampleId :

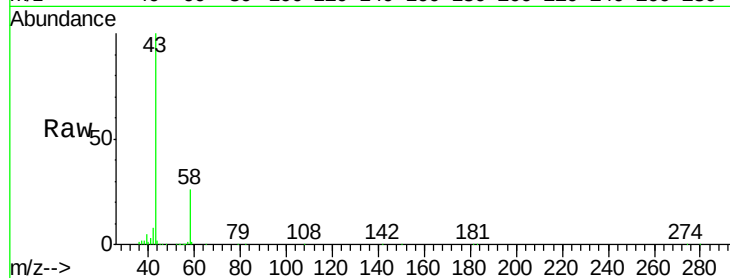
VL0323ABSD01

Tgt Ion: 43 Resp: 1161618

Ion Ratio Lower Upper

43 100

58 26.8 21.0 31.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.82

800000

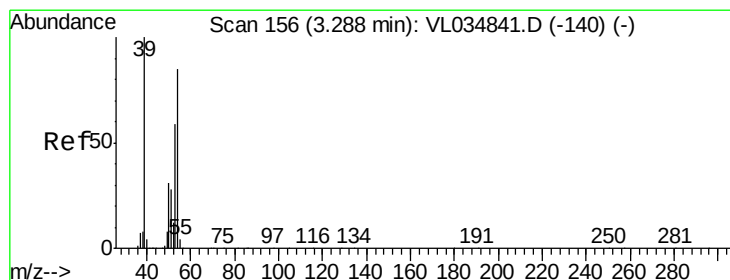
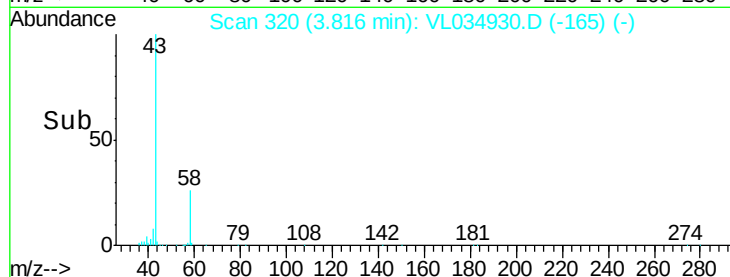
600000

400000

200000

0

Time--> 3.75 3.80 3.85



#16

1,3-Butadiene

Concen: 10.140 ppbv

RT: 3.29 min Scan# 156

Delta R.T. 0.00 min

Lab File: VL034930.D

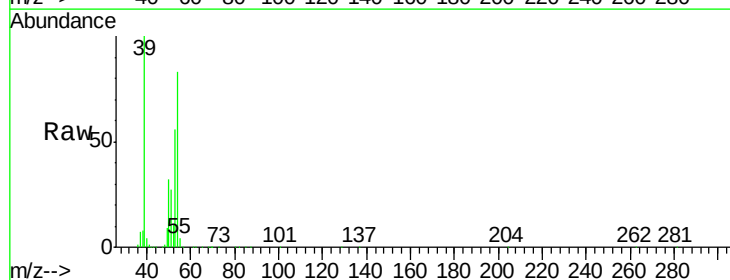
Acq: 23 Mar 2020 14:36

Tgt Ion: 39 Resp: 587039

Ion Ratio Lower Upper

39 100

54 81.4 65.0 97.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.29

500000

400000

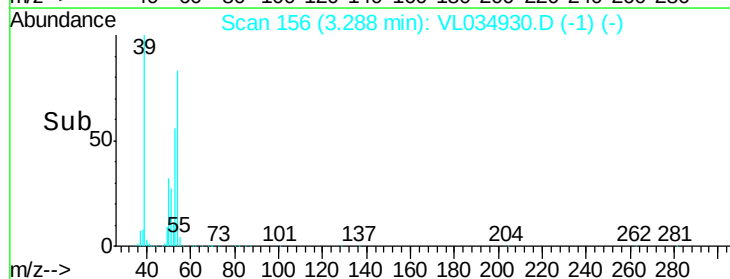
300000

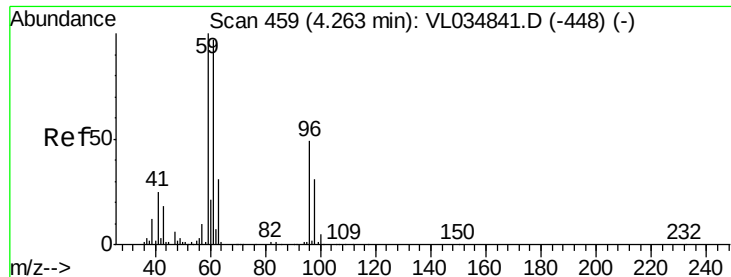
200000

100000

0

Time--> 3.20 3.25 3.30 3.35





#17

tert-Butyl alcohol

Concen: 8.383 ppbv

RT: 4.27 min Scan# 460

Delta R.T. 0.00 min

Lab File: VL034930.D

Acq: 23 Mar 2020 14:36

Instrument :

MSVOA_L

ClientSampleId :

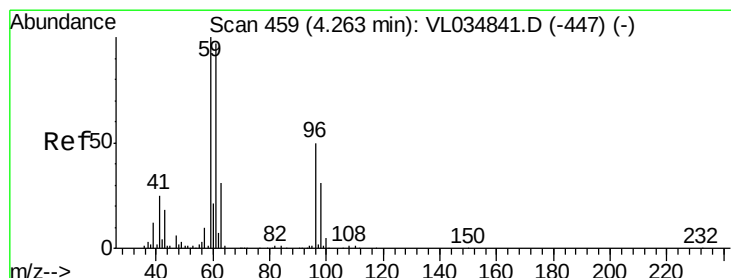
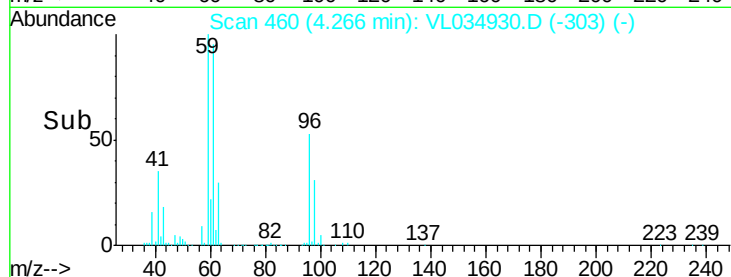
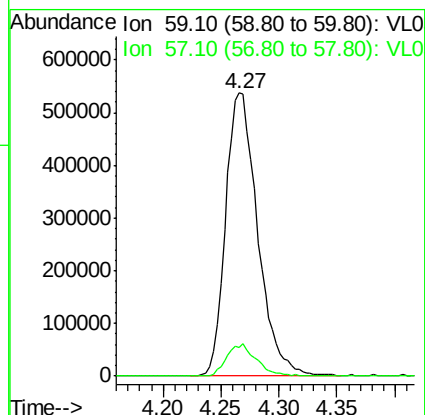
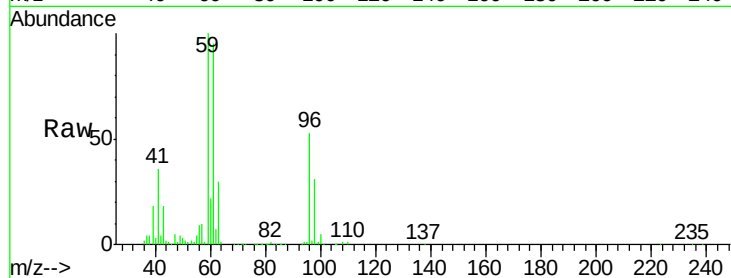
VL0323ABSD01

Tgt Ion: 59 Resp: 1033965

Ion Ratio Lower Upper

59 100

57 10.7 8.3 12.5



#18

1,1-Dichloroethene

Concen: 10.492 ppbv

RT: 4.26 min Scan# 458

Delta R.T. -0.00 min

Lab File: VL034930.D

Acq: 23 Mar 2020 14:36

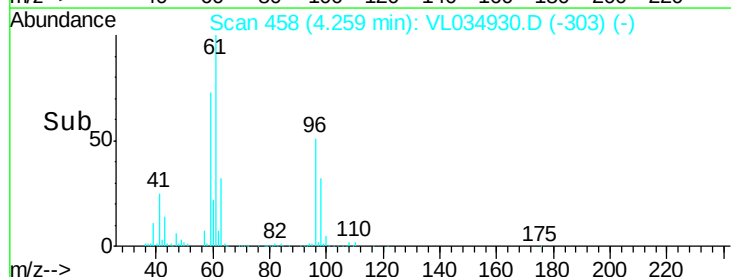
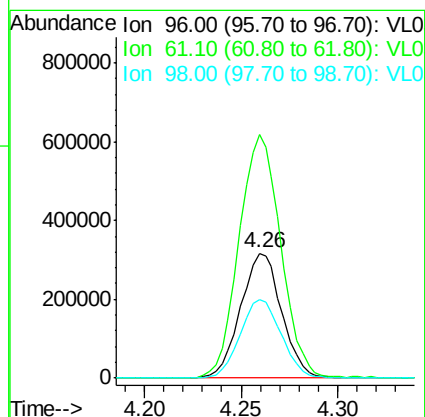
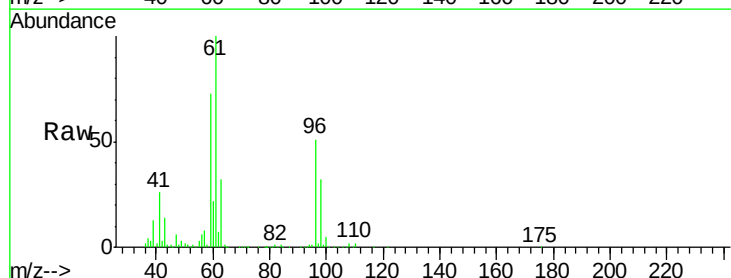
Tgt Ion: 96 Resp: 467963

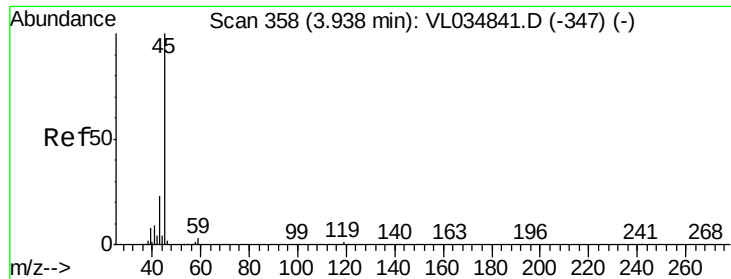
Ion Ratio Lower Upper

96 100

61 194.5 157.3 235.9

98 62.5 50.2 75.4





#19

Isopropyl Alcohol

Concen: 9.568 ppbv

RT: 3.94 min Scan# 358

Delta R.T. 0.00 min

Lab File: VL034930.D

Acq: 23 Mar 2020 14:36

Instrument :

MSVOA_L

ClientSampleId :

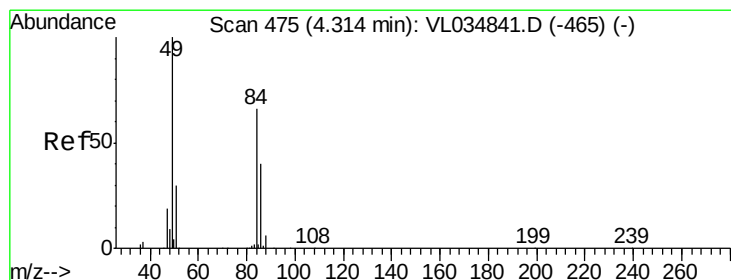
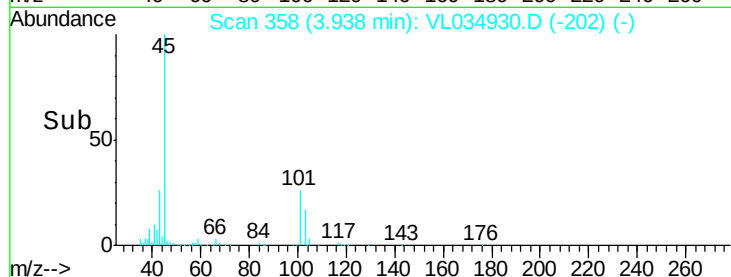
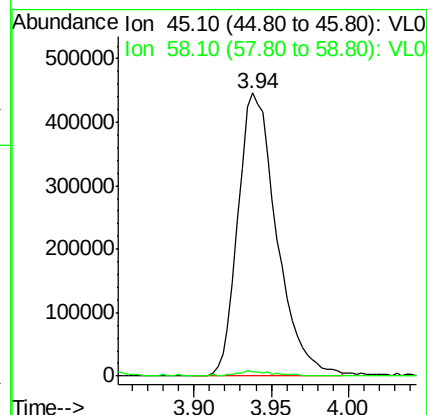
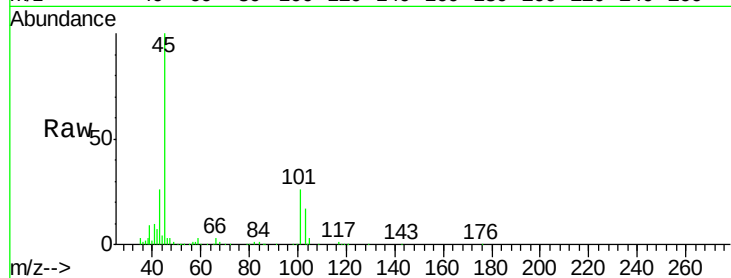
VL0323ABSD01

Tgt Ion: 45 Resp: 773581

Ion Ratio Lower Upper

45 100

58 1.8 30.5 45.7#



#20

Methylene Chloride

Concen: 10.195 ppbv

RT: 4.32 min Scan# 476

Delta R.T. 0.00 min

Lab File: VL034930.D

Acq: 23 Mar 2020 14:36

Tgt Ion: 84 Resp: 412673

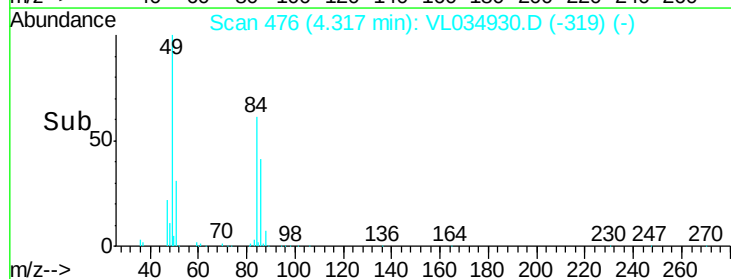
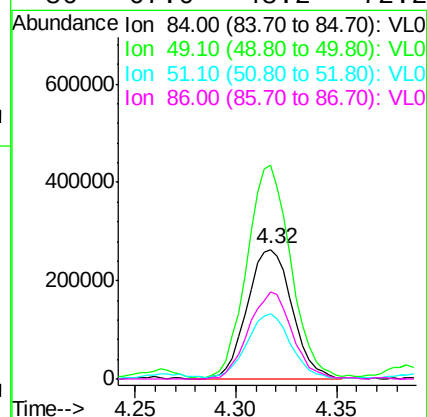
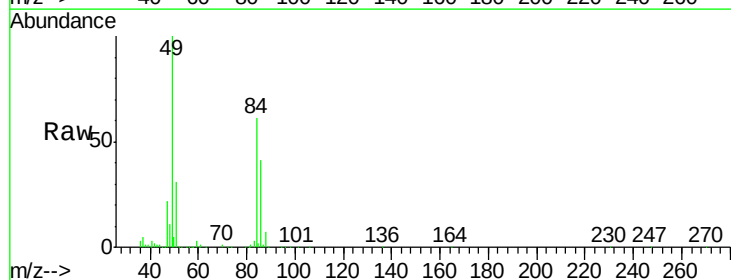
Ion Ratio Lower Upper

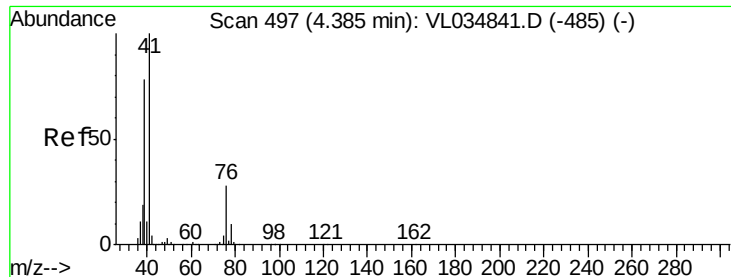
84 100

49 164.2 121.5 182.3

51 49.3 36.6 55.0

86 67.0 48.2 72.2

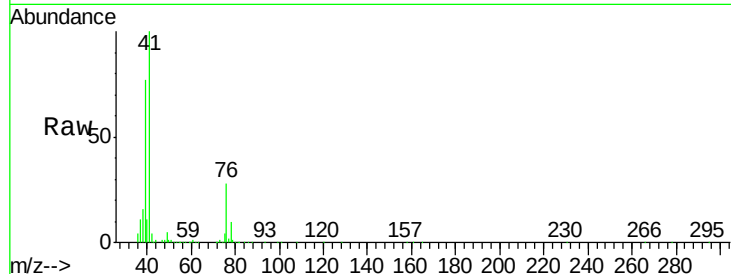




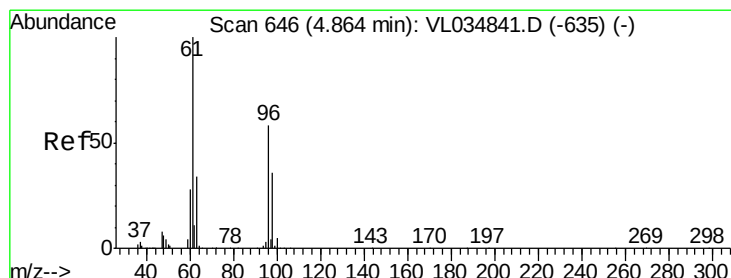
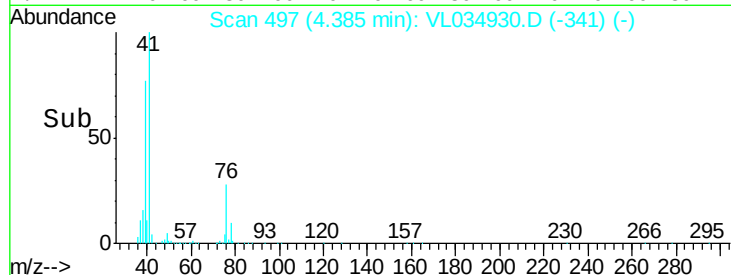
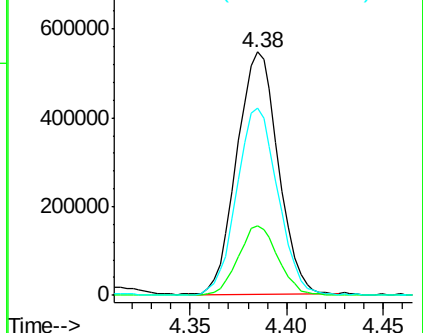
#21
 Allyl Chloride
 Concen: 9.907 ppbv
 RT: 4.38 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VL034930.D
 Acq: 23 Mar 2020 14:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0323ABSD01

Tgt Ion: 41 Resp: 814650
 Ion Ratio Lower Upper
 41 100
 76 27.8 22.2 33.2
 39 76.8 62.6 93.8

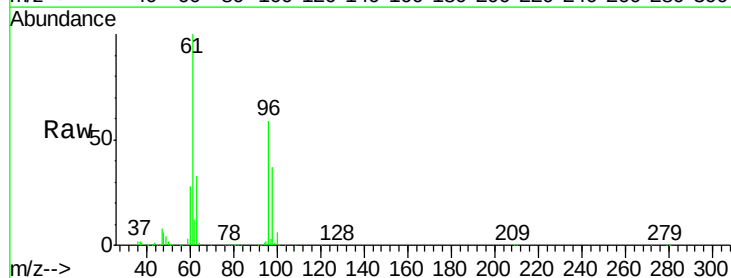


Abundance Ion 41.10 (40.80 to 41.80): VL0
 Ion 76.10 (75.80 to 76.80): VL0
 Ion 39.10 (38.80 to 39.80): VL0

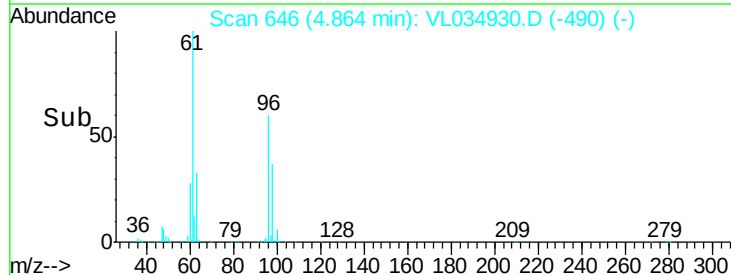
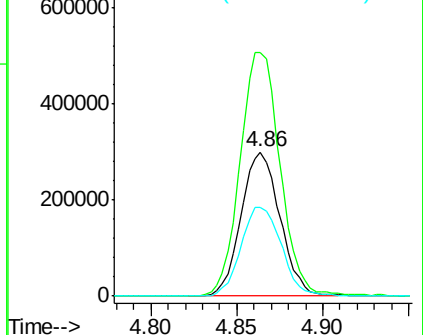


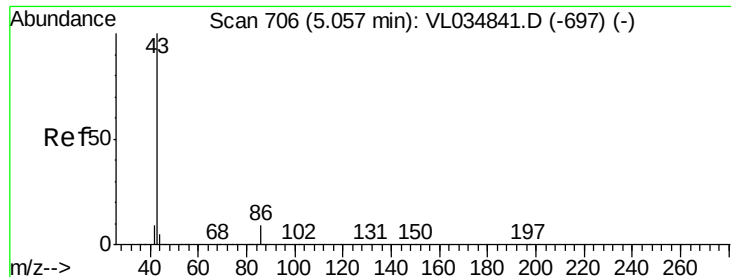
#22
 trans-1,2-Dichloroethene
 Concen: 10.414 ppbv
 RT: 4.86 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: VL034930.D
 Acq: 23 Mar 2020 14:36

Tgt Ion: 96 Resp: 471229
 Ion Ratio Lower Upper
 96 100
 61 168.4 139.0 208.6
 98 61.6 50.3 75.5



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





#23

Vinyl Acetate

Concen: 10.097 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.00 min

Lab File: VL034930.D

Acq: 23 Mar 2020 14:36

Instrument :

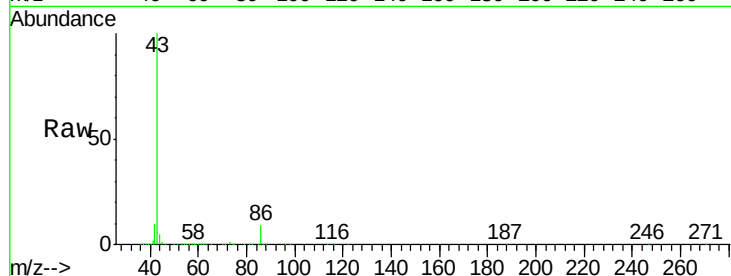
MSVOA_L

ClientSampleId :

VL0323ABSD01

Tgt Ion: 43 Resp: 1909559

Ion	Ratio	Lower	Upper
43	100		
86	8.5	6.3	9.5
42	9.9	7.8	11.8
44	5.2	4.0	6.0

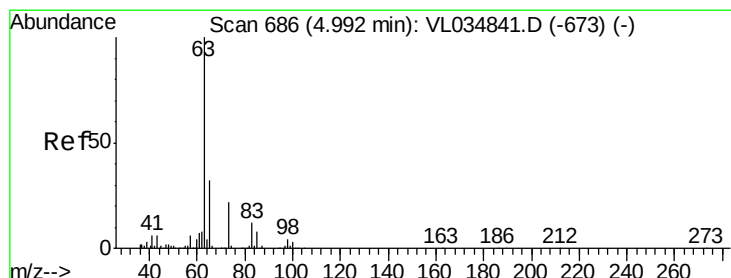
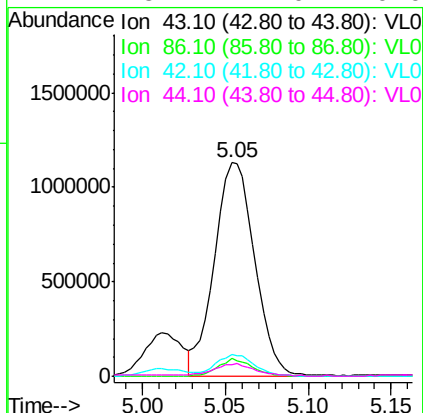
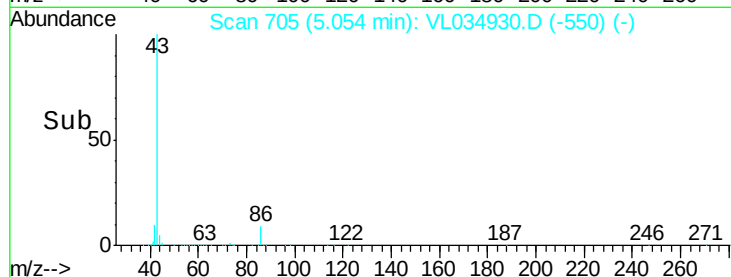


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.193 ppbv

RT: 4.99 min Scan# 686

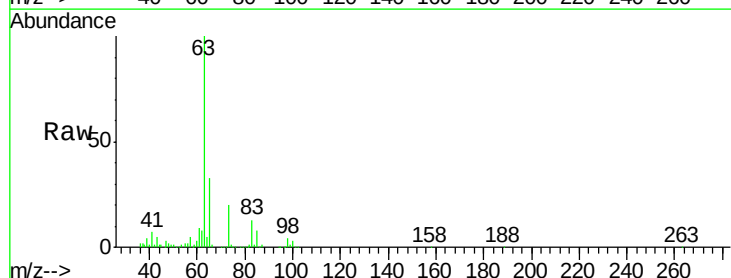
Delta R.T. 0.00 min

Lab File: VL034930.D

Acq: 23 Mar 2020 14:36

Tgt Ion: 63 Resp: 1292352

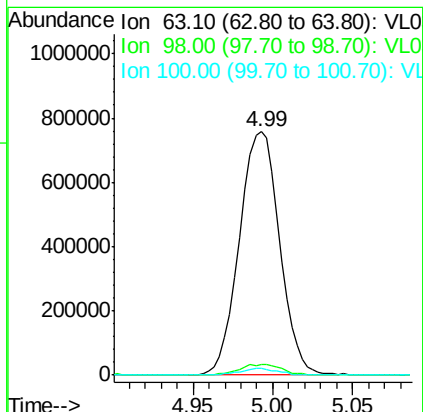
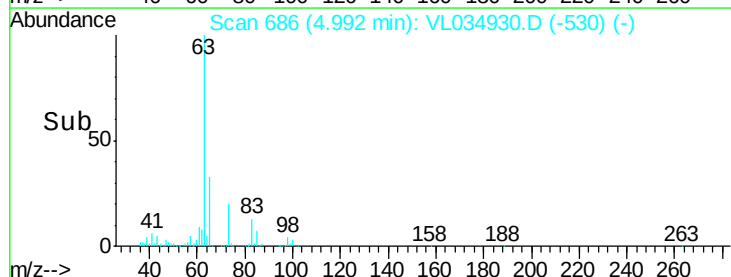
Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.0	5.8
100	2.6	1.4	4.0

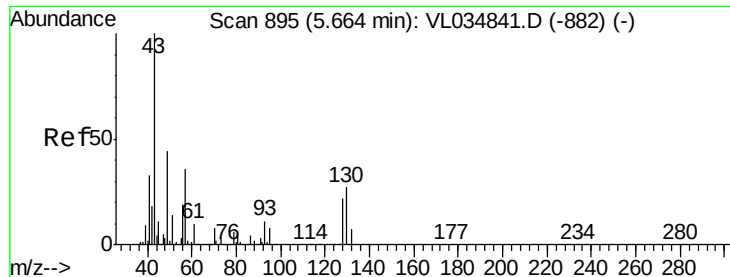


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



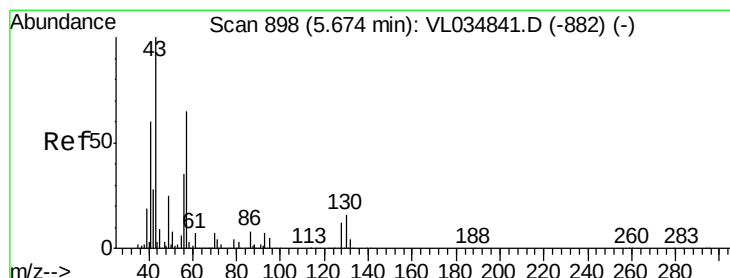
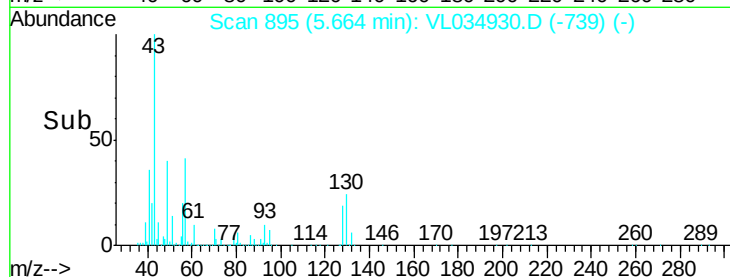
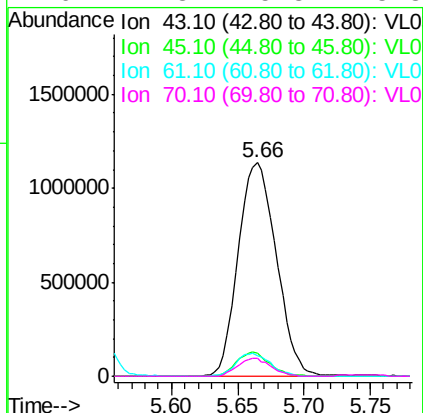
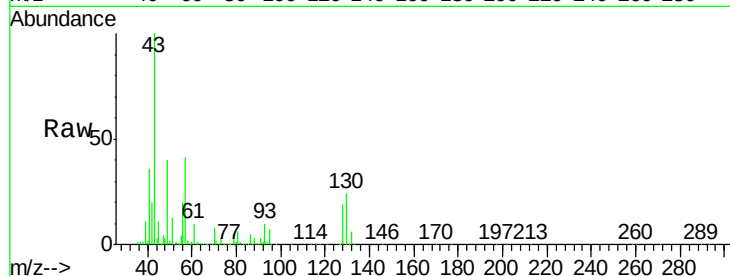


#25
Ethyl Acetate
Concen: 9.957 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Instrument :
MSVOA_L
ClientSampleId :
VL0323ABSD01

Tgt Ion: 43 Resp: 2271257

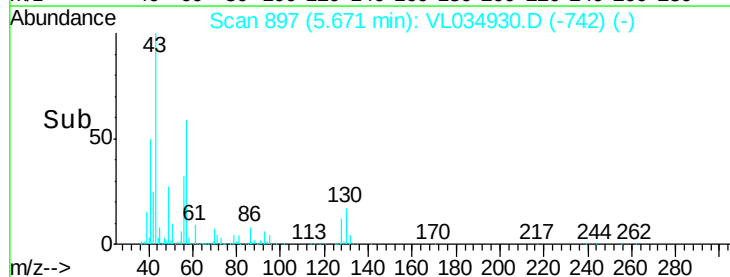
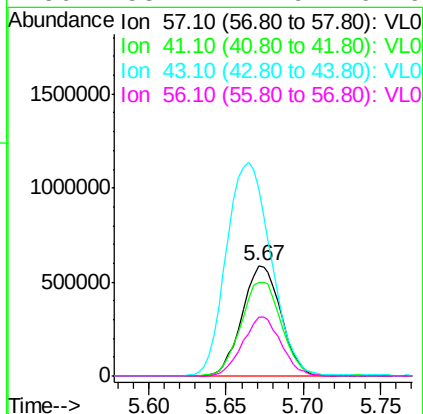
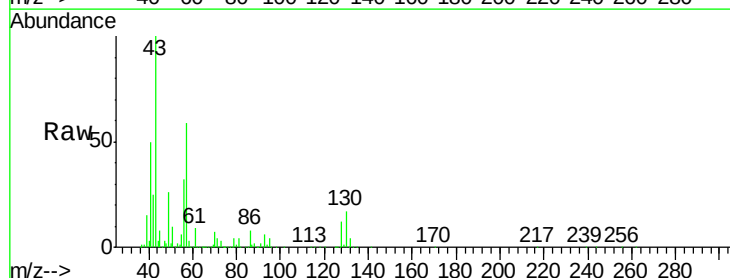
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.2	12.2
61	9.8	7.8	11.6
70	7.3	5.8	8.8

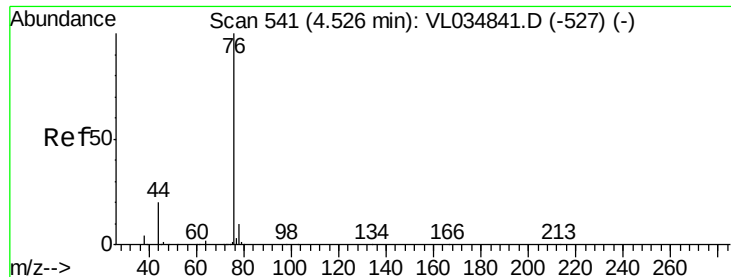


#26
Hexane
Concen: 10.446 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion: 57 Resp: 1026035

Ion	Ratio	Lower	Upper
57	100		
41	88.9	72.6	109.0
43	223.1	183.8	275.6
56	53.2	41.9	62.9





#27

Carbon Disulfide

Concen: 10.735 ppbv

RT: 4.52 min Scan# 540

Delta R.T. -0.00 min

Lab File: VL034930.D

Acq: 23 Mar 2020 14:36

Instrument :

MSVOA_L

ClientSampleId :

VL0323ABSD01

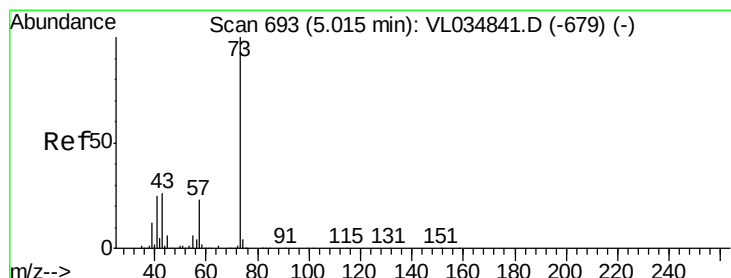
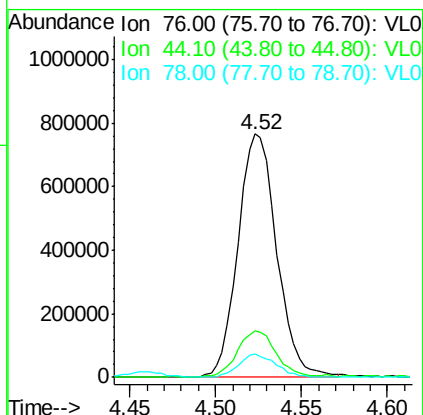
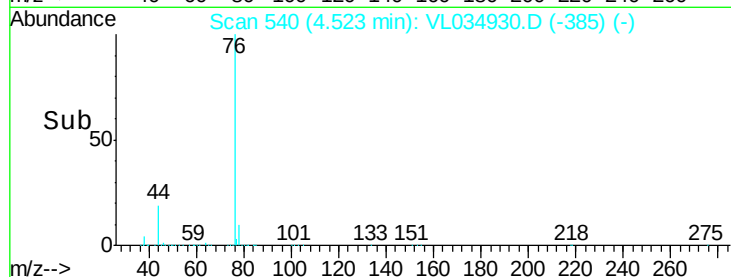
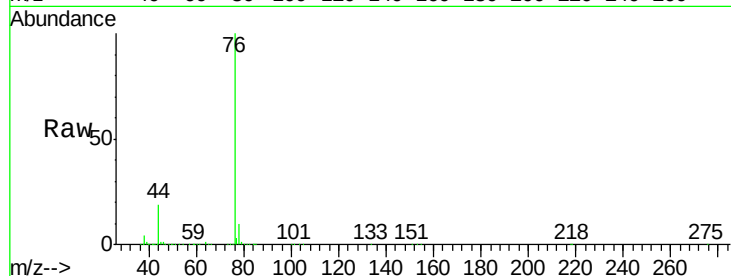
Tgt Ion: 76 Resp: 1196525

Ion Ratio Lower Upper

76 100

44 19.1 16.2 24.2

78 9.5 7.8 11.6



#28

Methyl tert-Butyl Ether

Concen: 9.435 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL034930.D

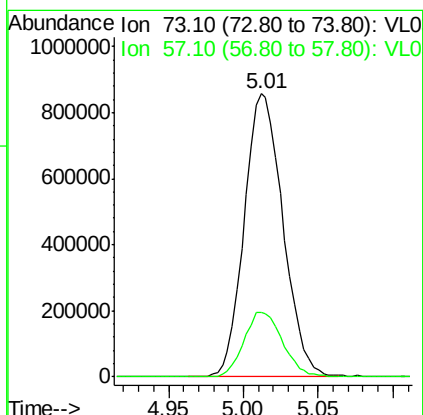
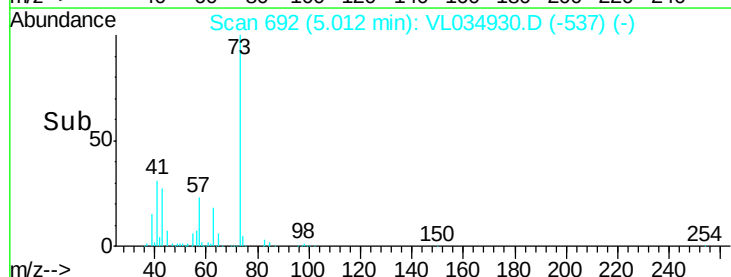
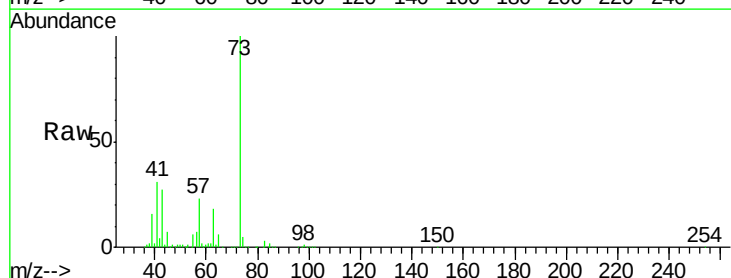
Acq: 23 Mar 2020 14:36

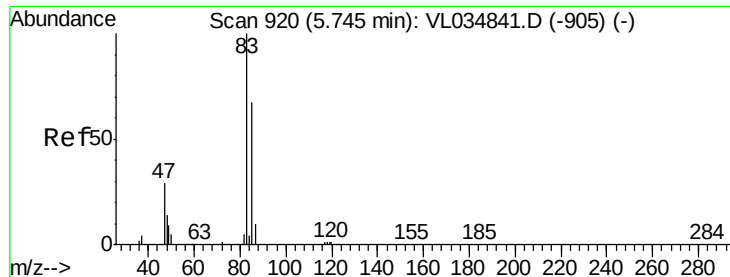
Tgt Ion: 73 Resp: 1541922

Ion Ratio Lower Upper

73 100

57 23.1 18.3 27.5

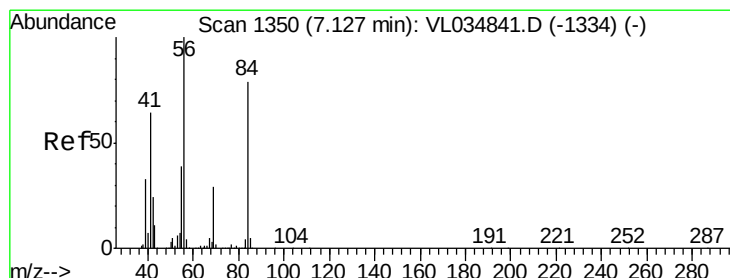
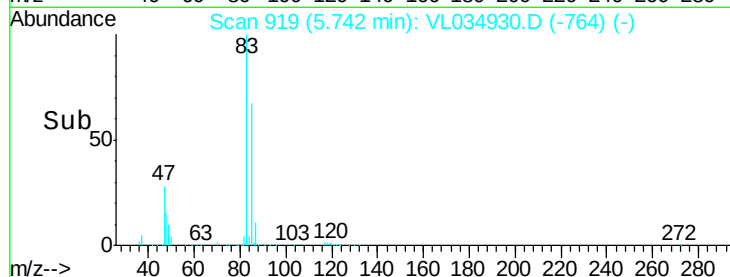
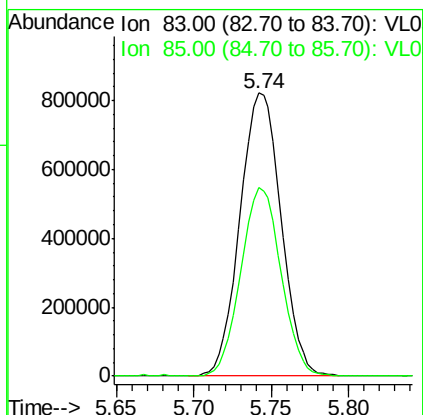
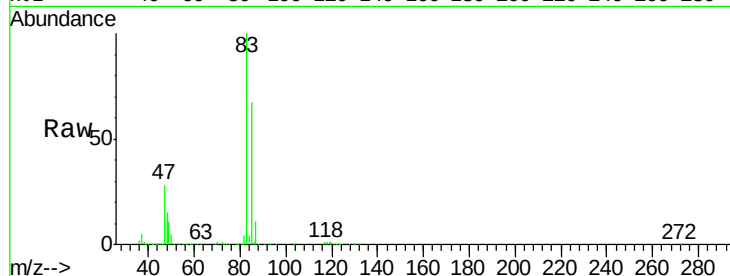




#29
Chloroform
Concen: 10.170 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

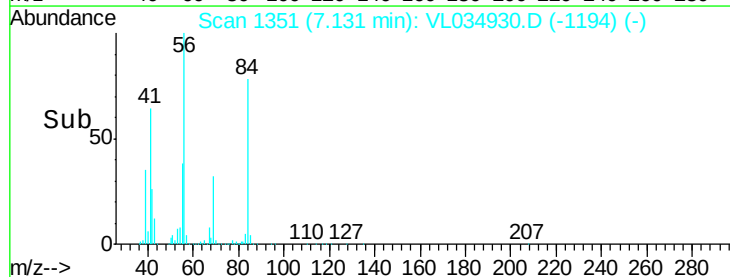
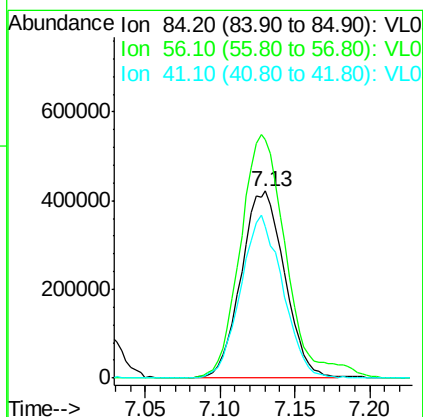
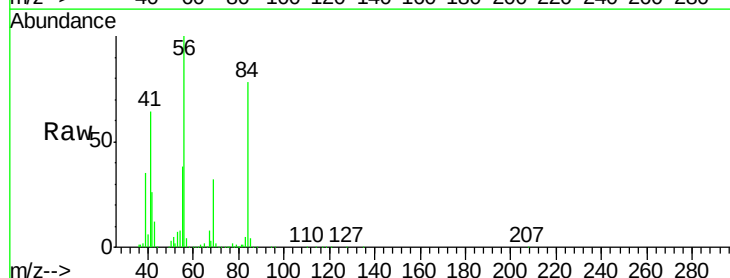
Instrument :
MSVOA_L
ClientSampleId :
VL0323ABSD01

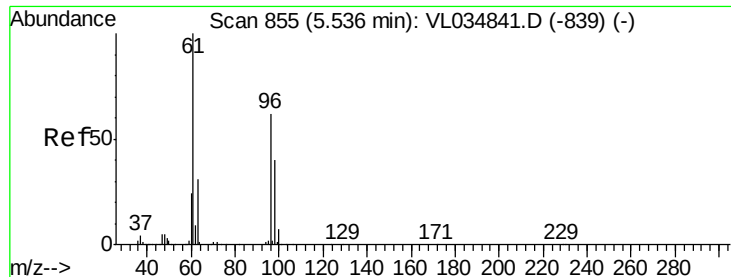
Tgt Ion: 83 Resp: 1524108
Ion Ratio Lower Upper
83 100
85 66.7 53.8 80.6



#30
Cyclohexane
Concen: 10.414 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. 0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion: 84 Resp: 853464
Ion Ratio Lower Upper
84 100
56 137.1 110.5 165.7
41 84.5 68.2 102.4



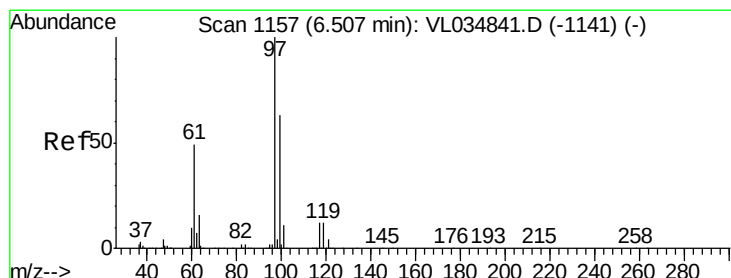
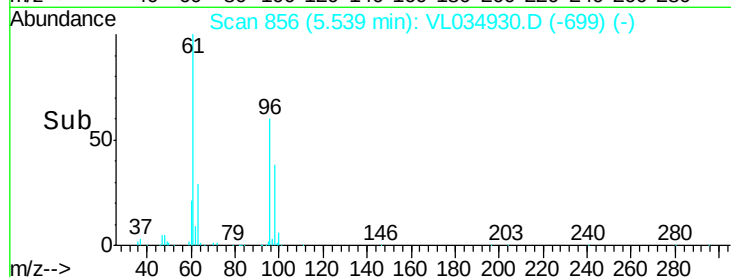
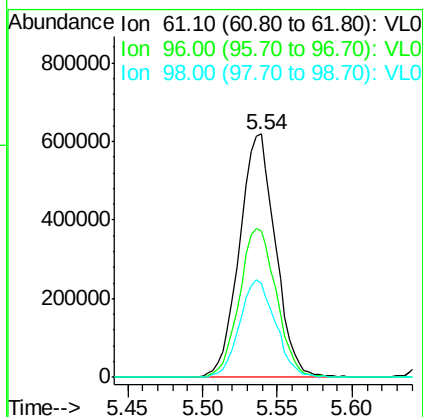
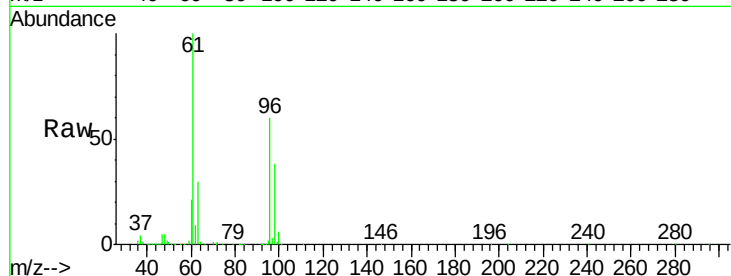


#31

cis-1,2-Dichloroethene
 Concen: 10.354 ppbv
 RT: 5.54 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VL034930.D
 Acq: 23 Mar 2020 14:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0323ABSD01

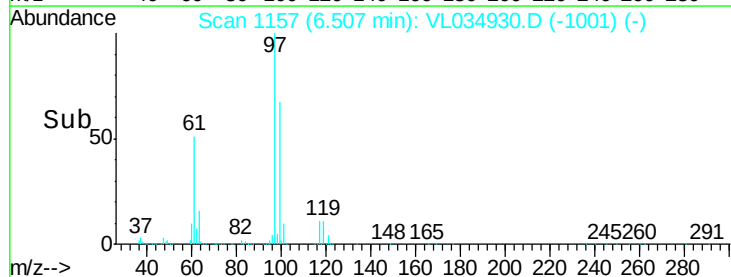
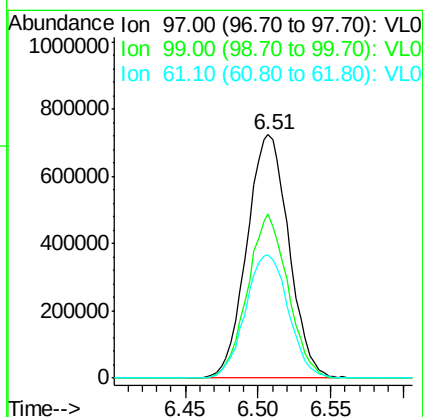
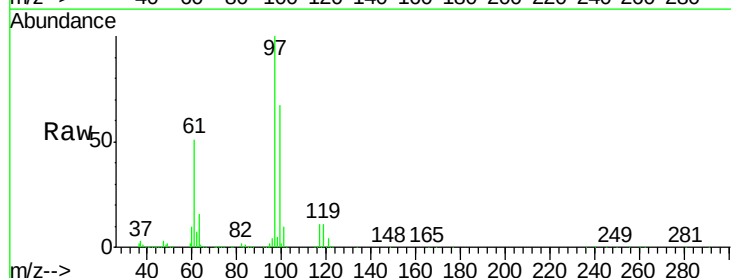
Tgt Ion: 61 Resp: 1040068
 Ion Ratio Lower Upper
 61 100
 96 59.9 49.8 74.8
 98 38.4 32.2 48.4

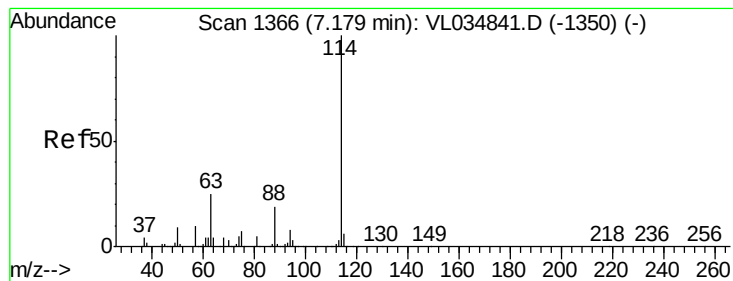


#32

1,1,1-Trichloroethane
 Concen: 9.983 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: VL034930.D
 Acq: 23 Mar 2020 14:36

Tgt Ion: 97 Resp: 1457769
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.1 76.7
 61 52.1 39.7 59.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. 0.00 min

Lab File: VL034930.D

Acq: 23 Mar 2020 14:36

Instrument :

MSVOA_L

ClientSampleId :

VL0323ABSD01

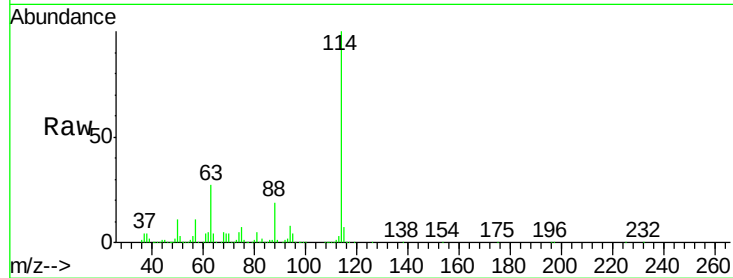
Tgt Ion:114 Resp: 2183602

Ion Ratio Lower Upper

114 100

63 27.6 20.6 31.0

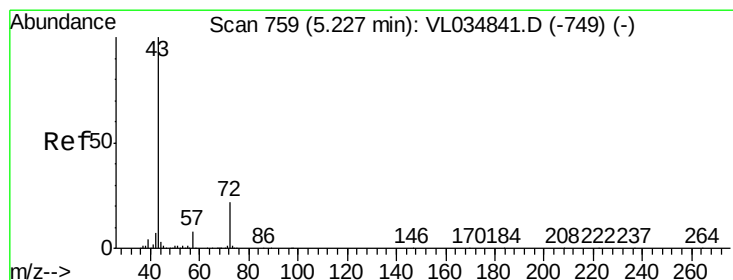
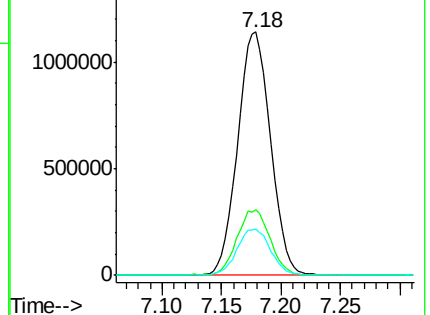
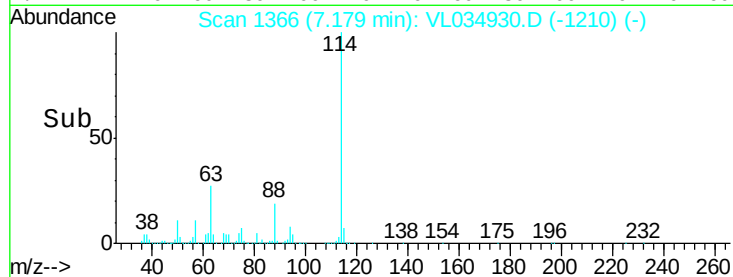
88 19.5 15.0 22.6



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: 10.516 ppbv

RT: 5.23 min Scan# 759

Delta R.T. 0.00 min

Lab File: VL034930.D

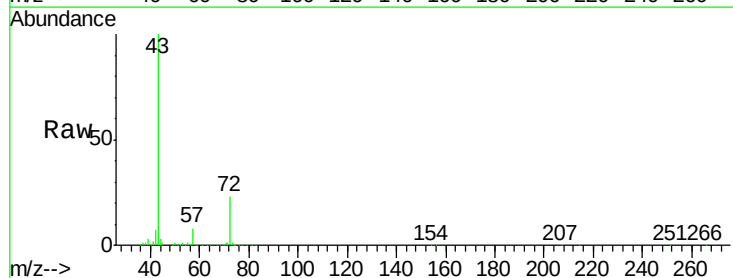
Acq: 23 Mar 2020 14:36

Tgt Ion: 43 Resp: 1525923

Ion Ratio Lower Upper

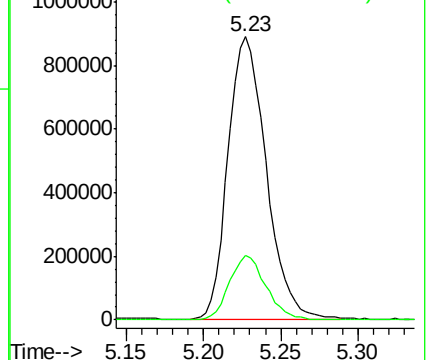
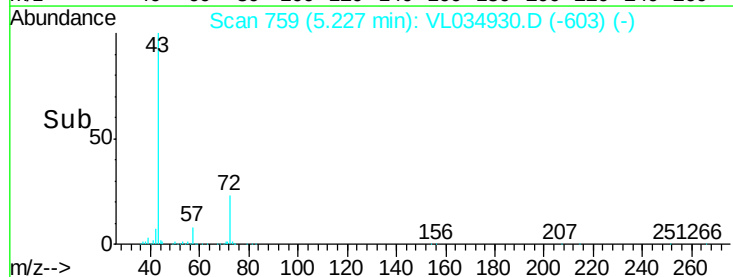
43 100

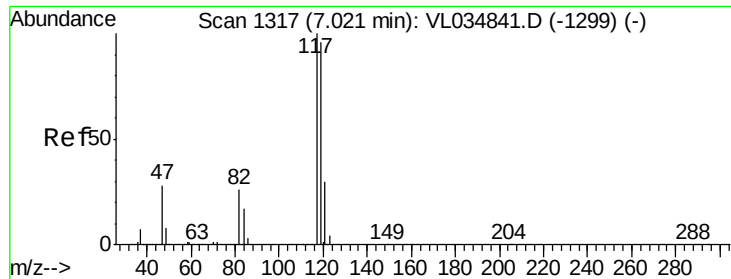
72 22.1 17.6 26.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

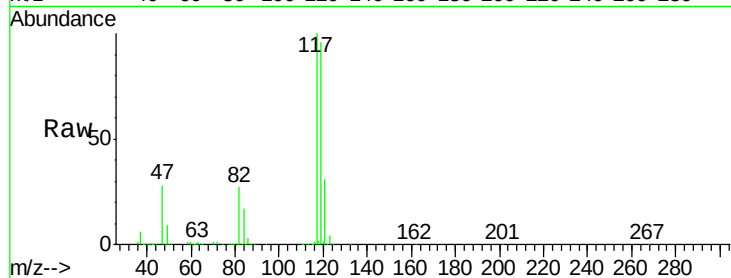




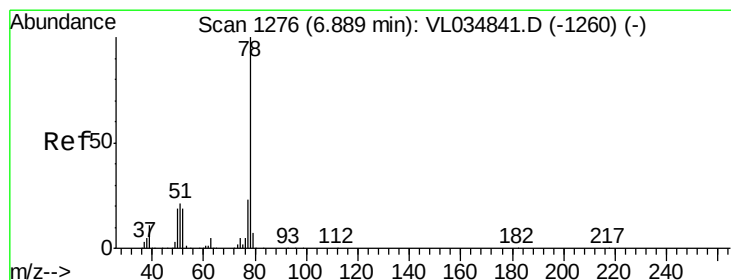
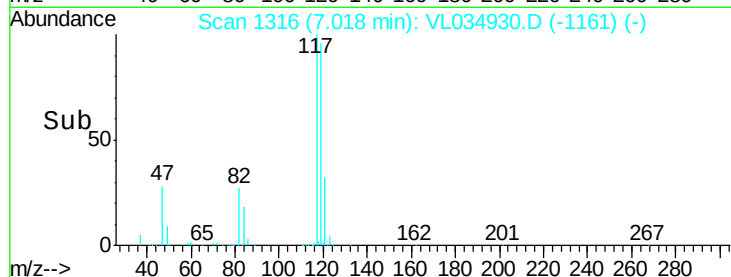
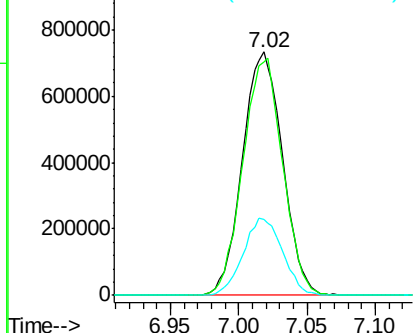
#35
Carbon Tetrachloride
Concen: 10.996 ppbv
RT: 7.02 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Instrument :
MSVOA_L
ClientSampleId :
VL0323ABSD01

Tgt Ion:117 Resp: 1493424
Ion Ratio Lower Upper
117 100
119 96.0 77.0 115.4
121 31.4 24.0 36.0

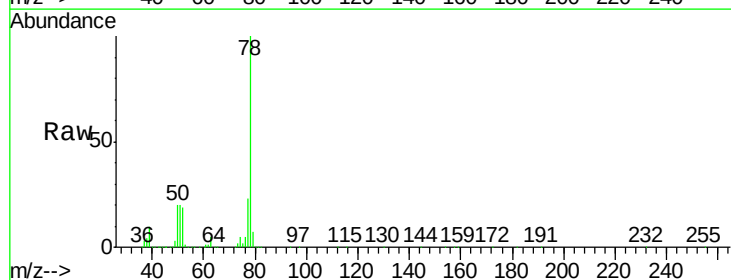


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

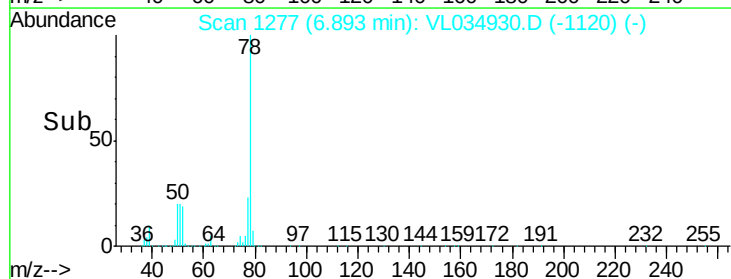
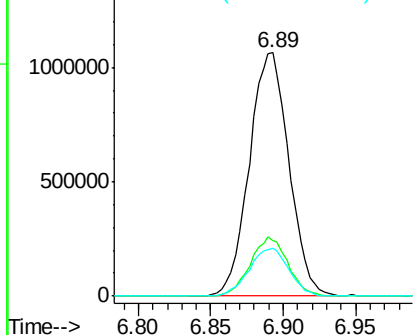


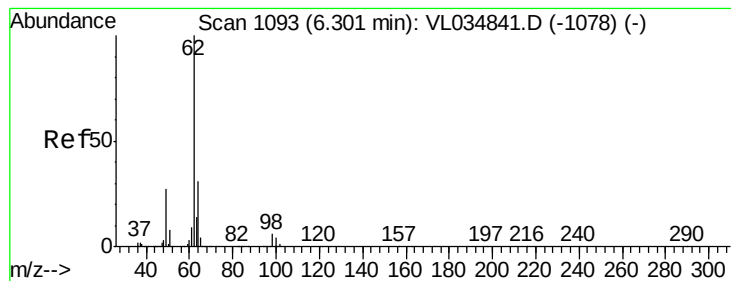
#36
Benzene
Concen: 10.400 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. 0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion: 78 Resp: 2024156
Ion Ratio Lower Upper
78 100
77 22.7 18.2 27.2
50 19.7 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: 10.829 ppbv

RT: 6.30 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VL034930.D

Acq: 23 Mar 2020 14:36

Instrument :

MSVOA_L

ClientSampleId :

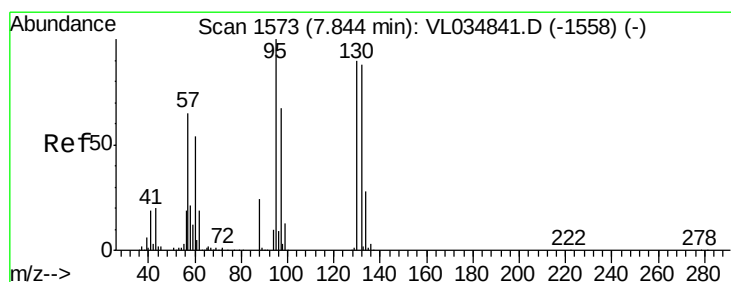
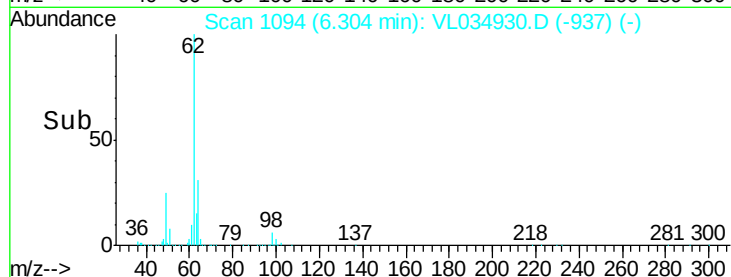
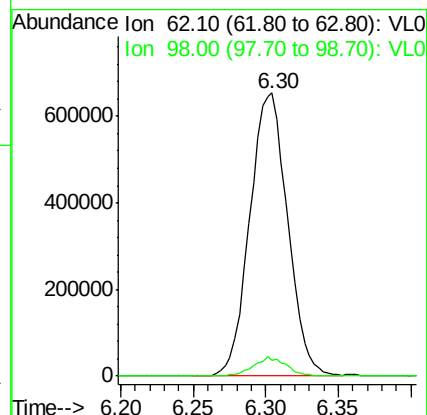
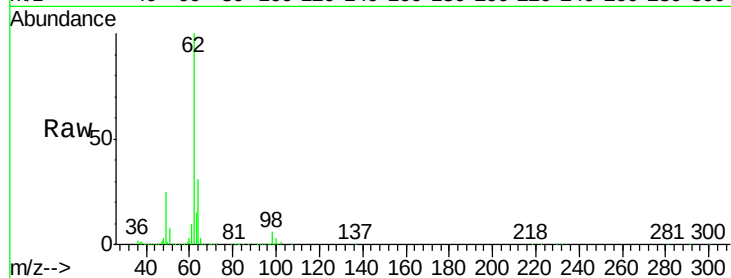
VL0323ABSD01

Tgt Ion: 62 Resp: 1188466

Ion Ratio Lower Upper

62 100

98 6.1 5.2 7.8



#38

Trichloroethene

Concen: 10.072 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VL034930.D

Acq: 23 Mar 2020 14:36

Tgt Ion: 130 Resp: 744496

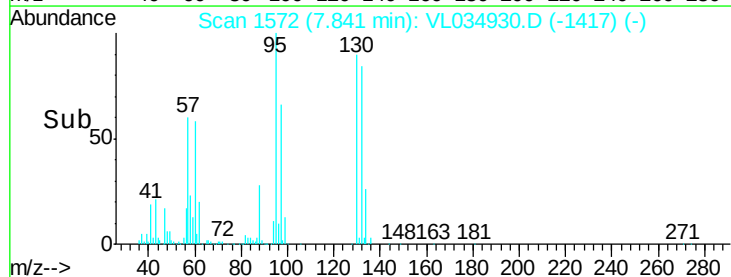
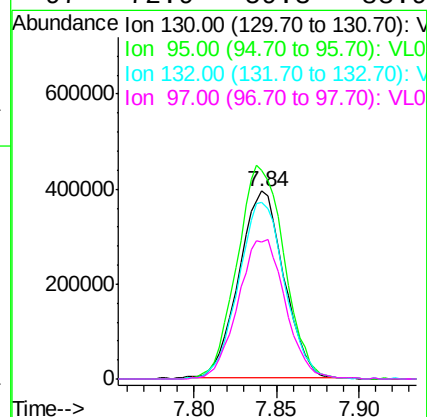
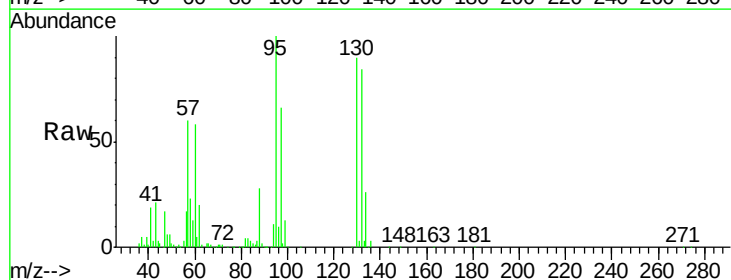
Ion Ratio Lower Upper

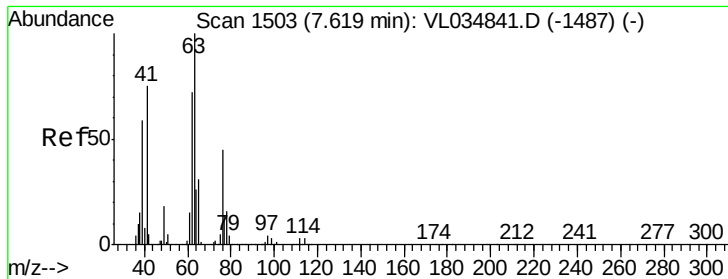
130 100

95 111.1 88.5 132.7

132 93.9 78.0 117.0

97 72.9 59.3 88.9





#39

1,2-Dichloropropane

Concen: 10.416 ppbv

RT: 7.62 min Scan# 1502

Delta R.T. -0.00 min

Lab File: VL034930.D

Acq: 23 Mar 2020 14:36

Instrument :

MSVOA_L

ClientSampleId :

VL0323ABSD01

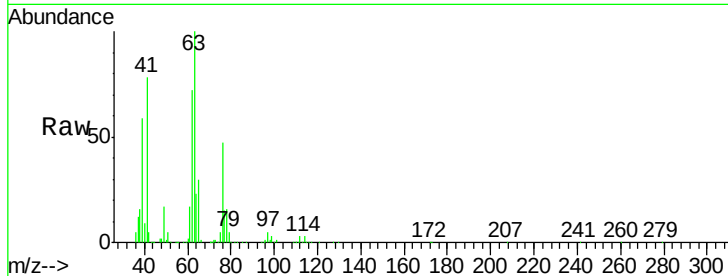
Tgt Ion: 63 Resp: 803224

Ion Ratio Lower Upper

63 100

41 78.3 59.8 89.8

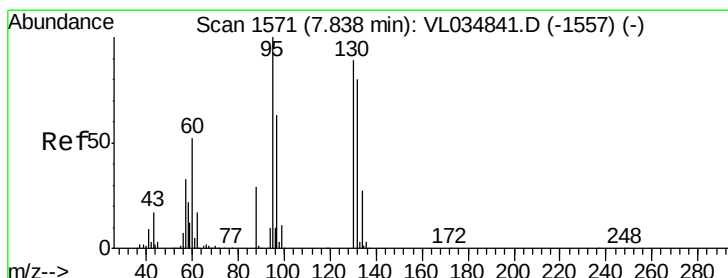
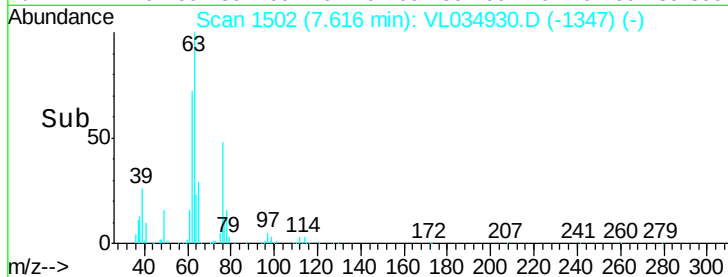
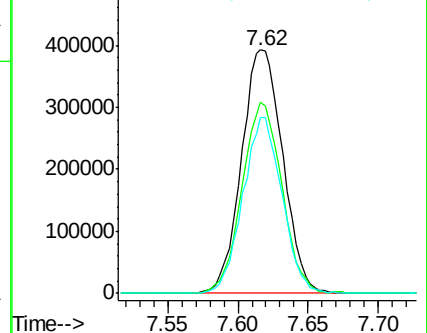
62 72.2 57.6 86.4



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: 10.587 ppbv m

RT: 7.83 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VL034930.D

Acq: 23 Mar 2020 14:36

Tgt Ion: 88 Resp: 308327

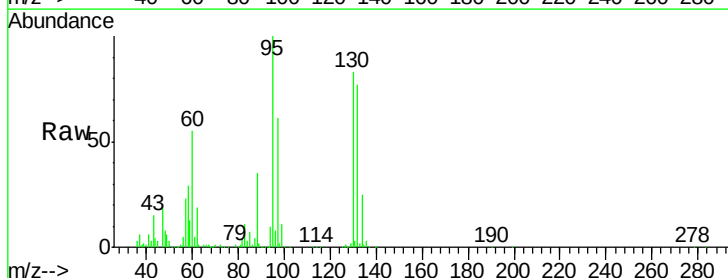
Ion Ratio Lower Upper

88 100

58 0.0 103.9 155.9#

43 0.0 0.0 0.0

57 0.0 0.0 0.0

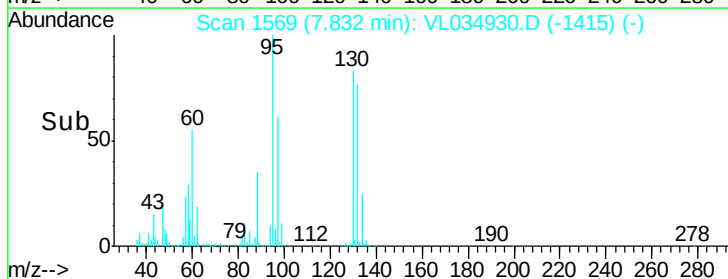
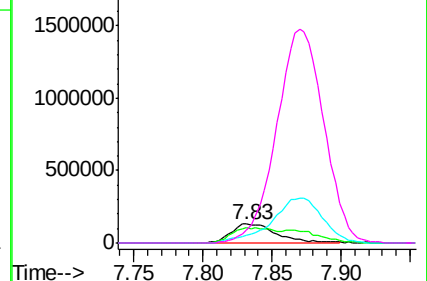


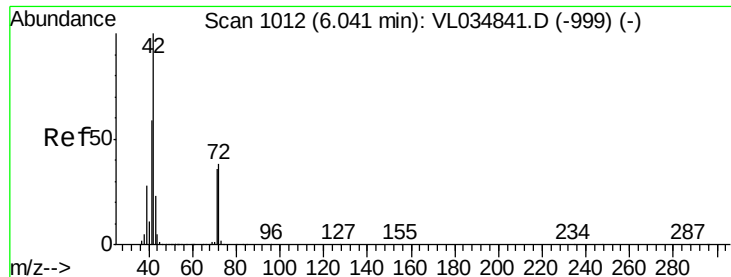
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 10.963 ppbv

RT: 6.04 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VL034930.D

Acq: 23 Mar 2020 14:36

Instrument :

MSVOA_L

ClientSampleId :

VL0323ABSD01

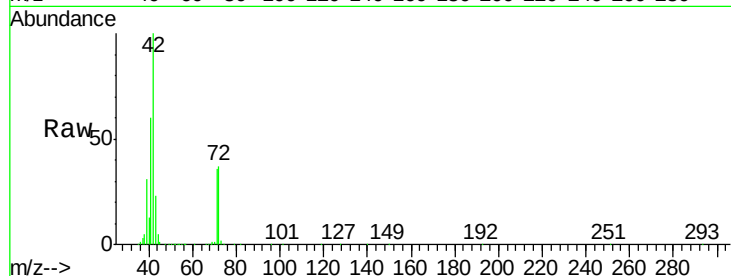
Tgt Ion: 42 Resp: 860771

Ion Ratio Lower Upper

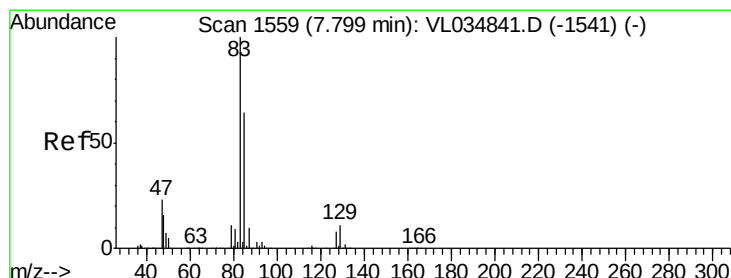
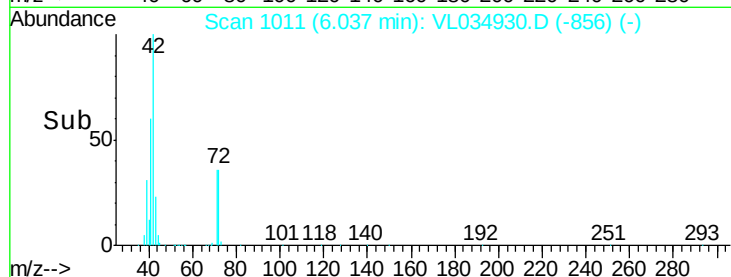
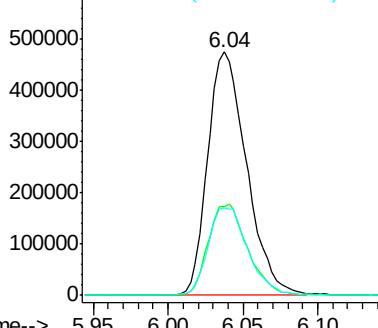
42 100

72 38.1 30.8 46.2

71 37.4 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: 10.853 ppbv

RT: 7.80 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VL034930.D

Acq: 23 Mar 2020 14:36

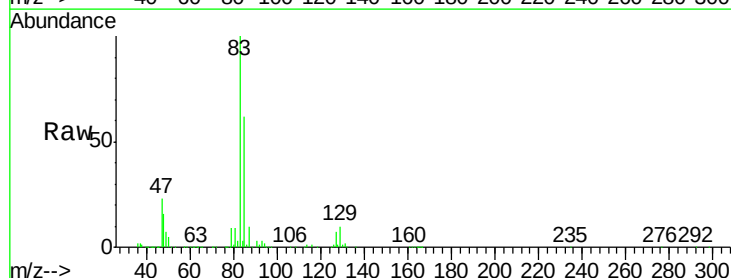
Tgt Ion: 83 Resp: 1623401

Ion Ratio Lower Upper

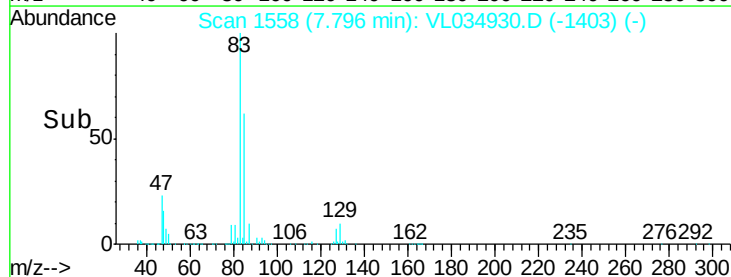
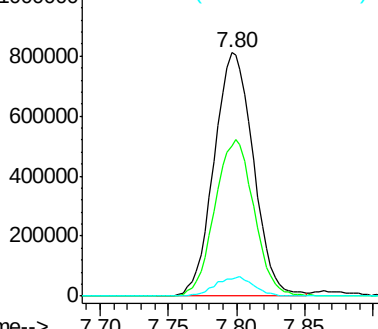
83 100

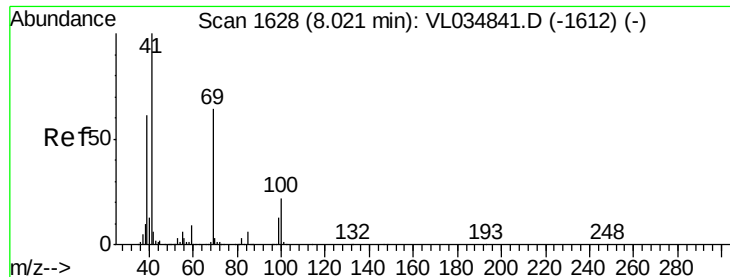
85 61.6 51.4 77.2

127 7.2 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

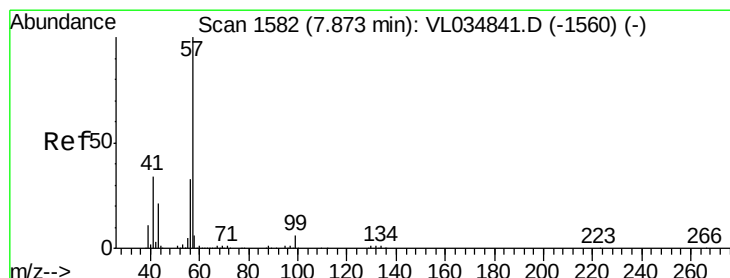
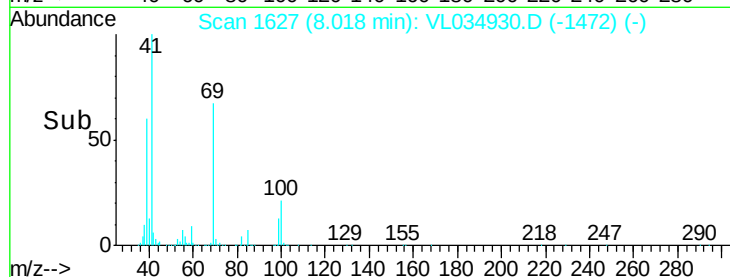
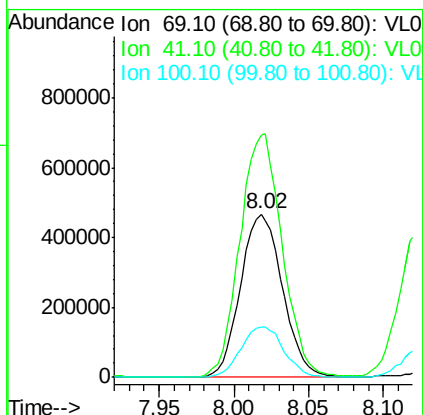
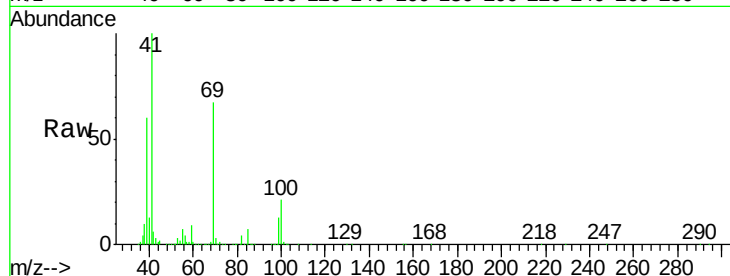




#43
Methyl Methacrylate
Concen: 11.131 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

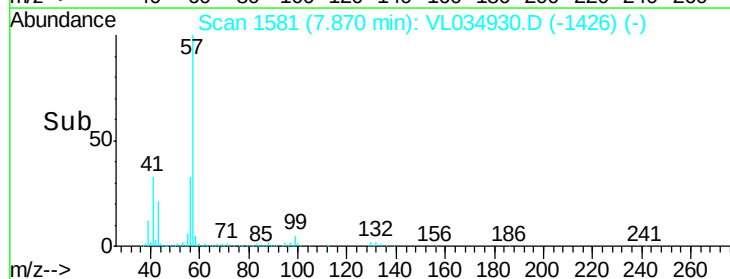
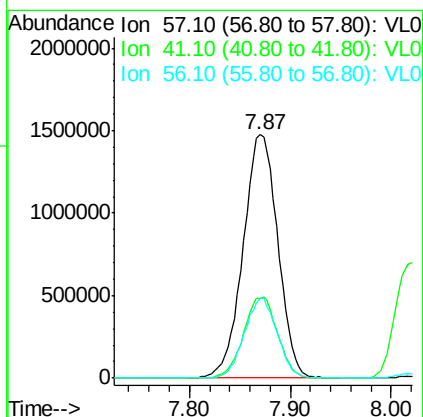
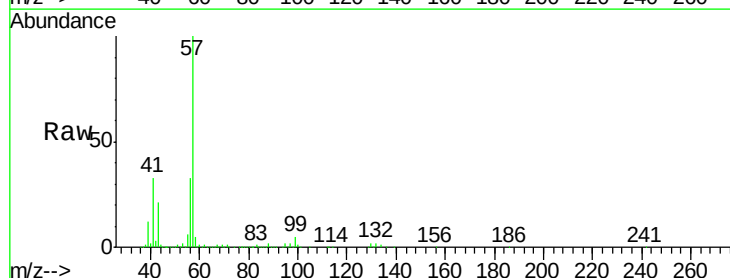
Instrument :
MSVOA_L
ClientSampleId :
VL0323ABSD01

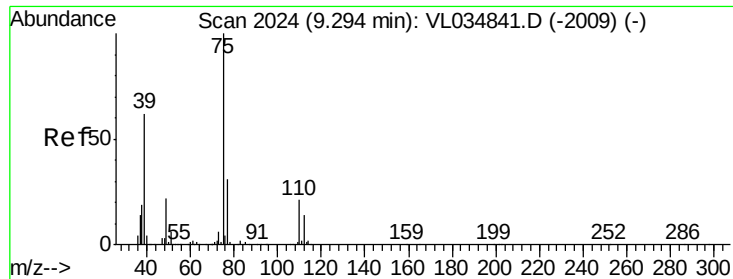
Tgt Ion: 69 Resp: 912709
Ion Ratio Lower Upper
69 100
41 149.7 123.2 184.8
100 31.8 26.9 40.3



#44
2,2,4-Trimethylpentane
Concen: 10.671 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion: 57 Resp: 3509697
Ion Ratio Lower Upper
57 100
41 32.9 26.2 39.4
56 31.2 25.0 37.4

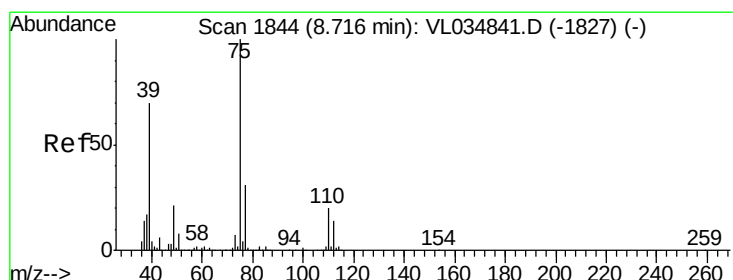
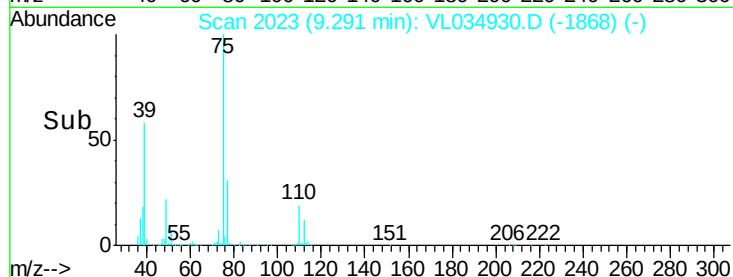
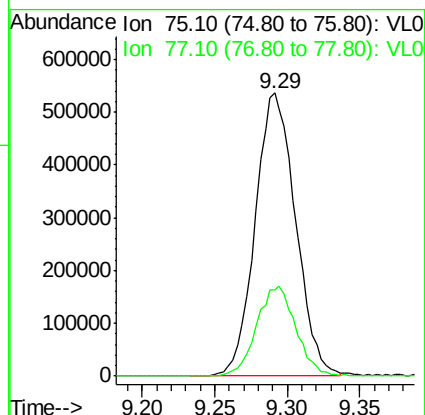
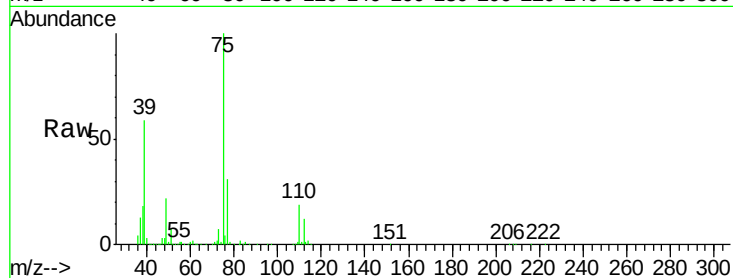




#45
t-1,3-Dichloropropene
Concen: 10.789 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. -0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

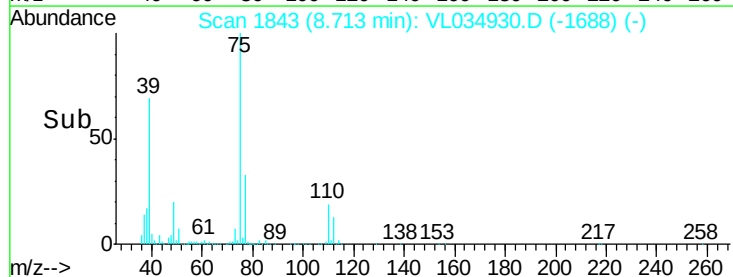
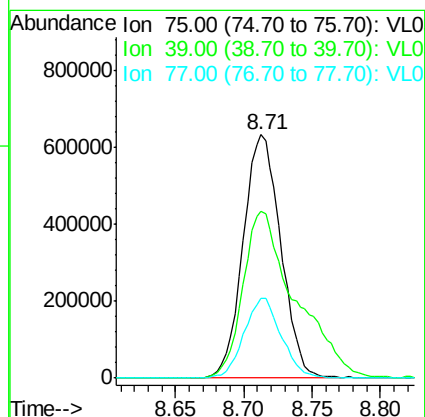
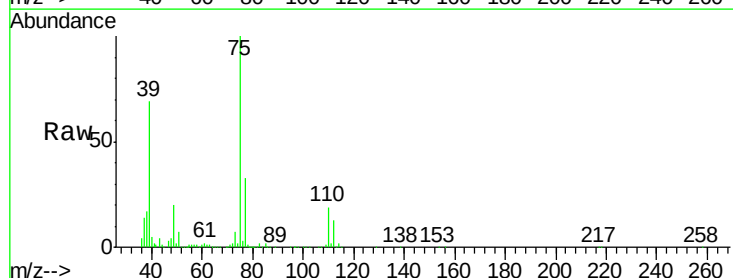
Instrument :
MSVOA_L
ClientSampleId :
VL0323ABSD01

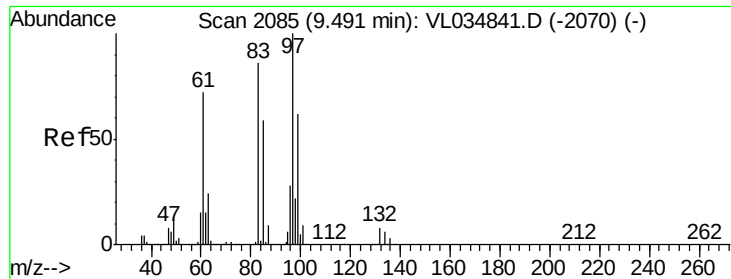
Tgt Ion: 75 Resp: 1039336
Ion Ratio Lower Upper
75 100
77 30.6 24.6 37.0



#46
cis-1,3-Dichloropropene
Concen: 10.576 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion: 75 Resp: 1210766
Ion Ratio Lower Upper
75 100
39 68.7 55.7 83.5
77 32.5 24.7 37.1

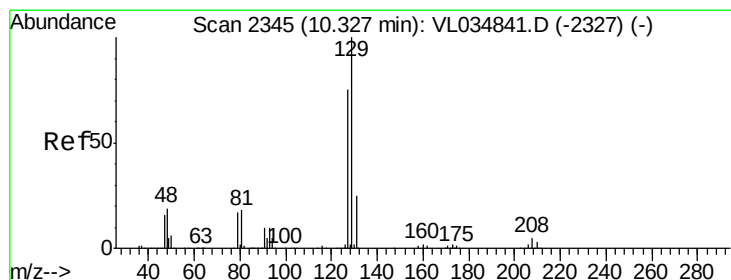
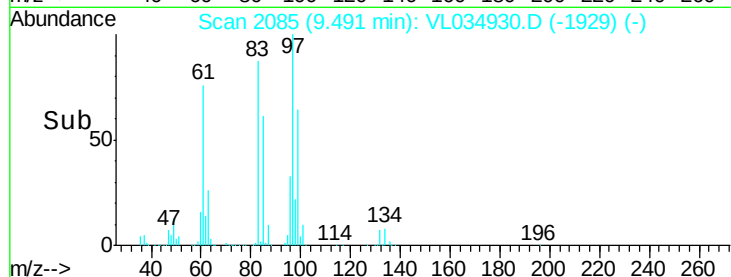
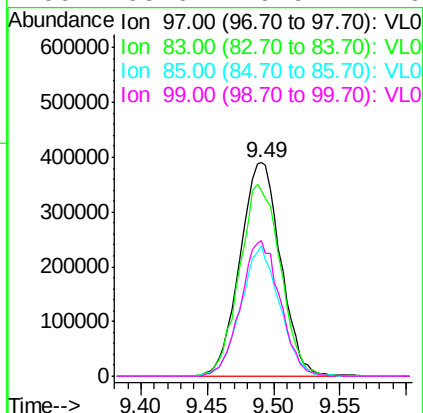
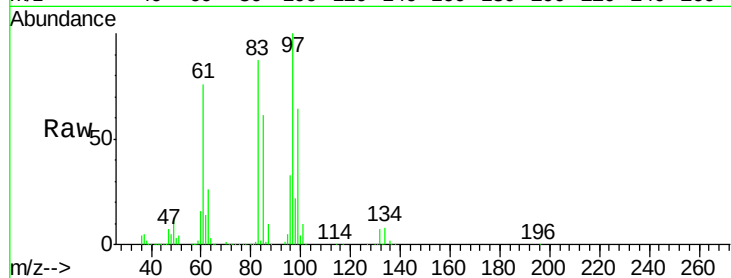




#47
 1,1,2-Trichloroethane
 Concen: 10.505 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. 0.00 min
 Lab File: VL034930.D
 Acq: 23 Mar 2020 14:36

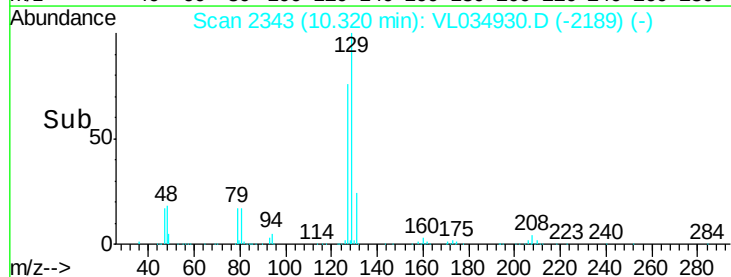
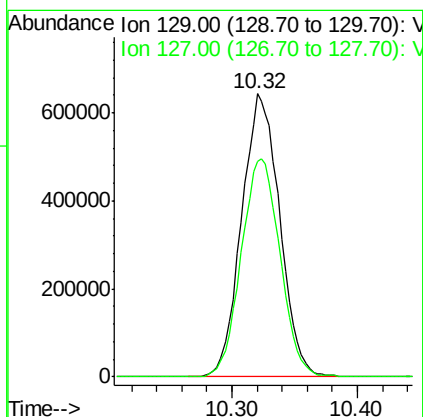
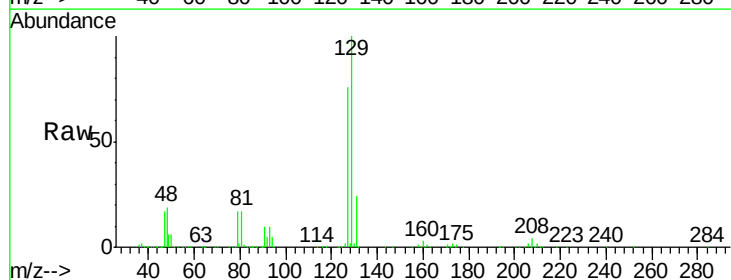
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0323ABSD01

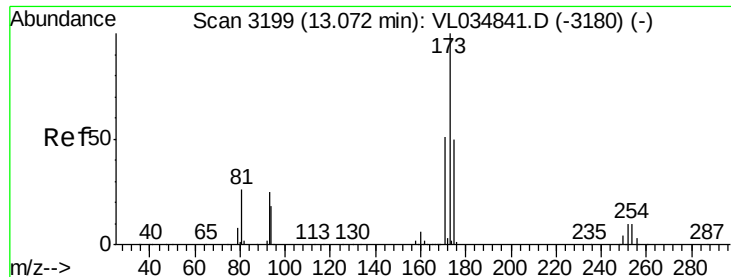
Tgt Ion:	97	Resp:	831338
Ion	Ratio	Lower	Upper
97	100		
83	87.2	68.6	102.8
85	61.0	46.9	70.3
99	63.6	49.9	74.9



#48
 Dibromochloromethane
 Concen: 10.606 ppbv
 RT: 10.32 min Scan# 2343
 Delta R.T. -0.01 min
 Lab File: VL034930.D
 Acq: 23 Mar 2020 14:36

Tgt Ion:	129	Resp:	1359252
Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.6	118.7





#49

Bromoform

Concen: 10.385 ppbv

RT: 13.07 min Scan# 3197

Delta R.T. -0.01 min

Lab File: VL034930.D

Acq: 23 Mar 2020 14:36

Instrument :

MSVOA_L

ClientSampleId :

VL0323ABSD01

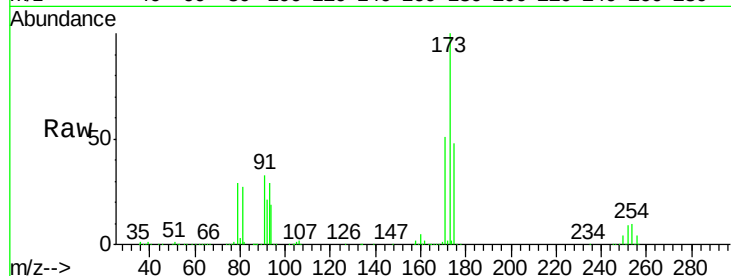
Tgt Ion:173 Resp: 1186709

Ion Ratio Lower Upper

173 100

175 49.8 39.6 59.4

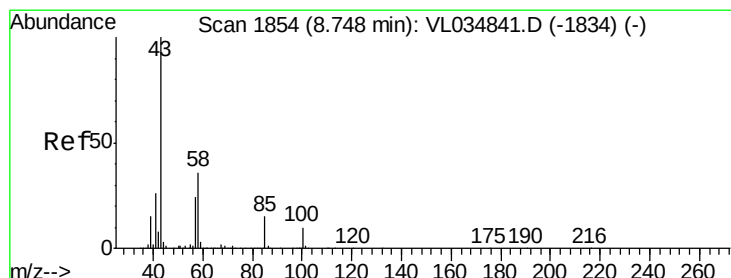
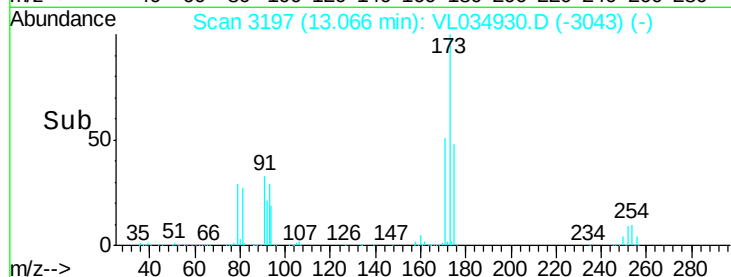
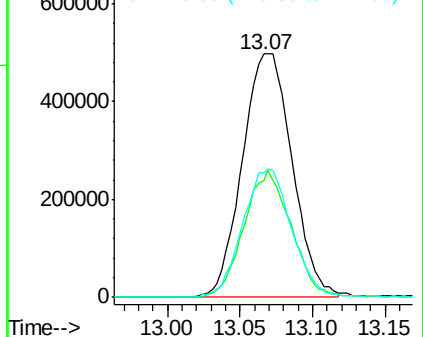
171 52.4 41.0 61.6



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: 10.702 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VL034930.D

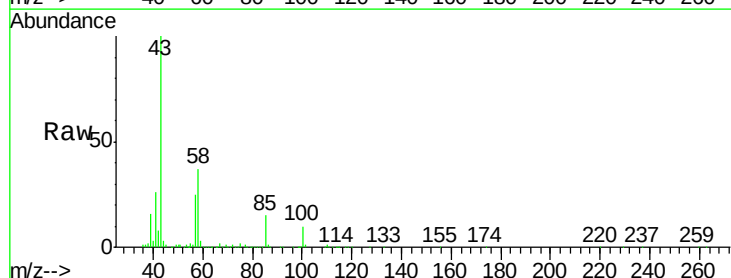
Acq: 23 Mar 2020 14:36

Tgt Ion: 43 Resp: 2235533

Ion Ratio Lower Upper

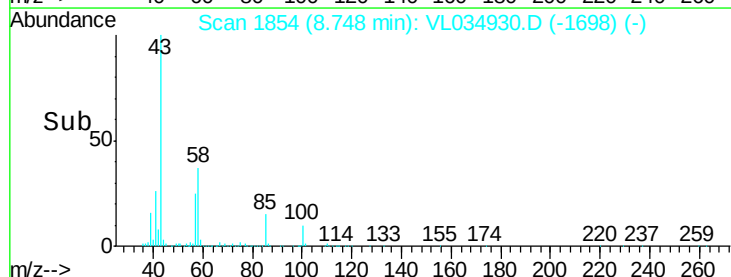
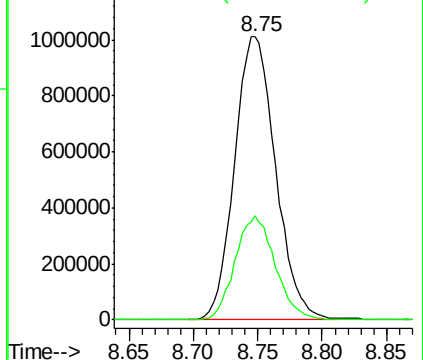
43 100

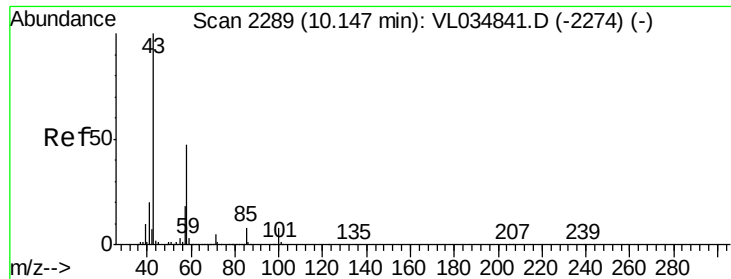
58 35.9 28.6 42.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

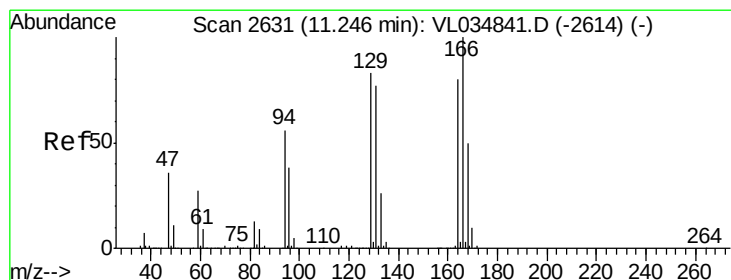
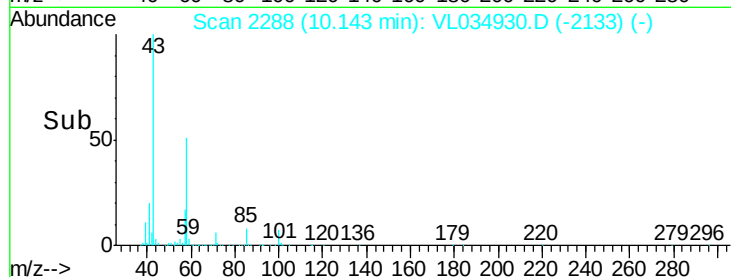
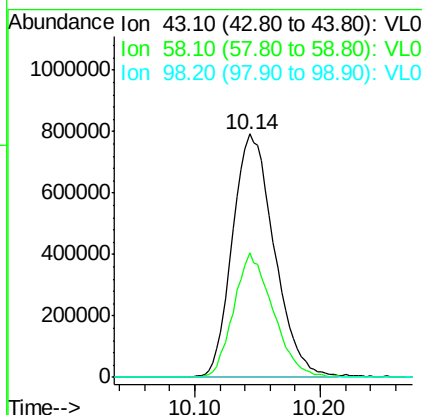
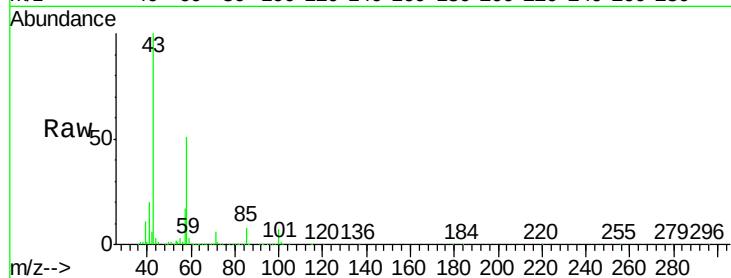




#51
2-Hexanone
Concen: 10.835 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. -0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

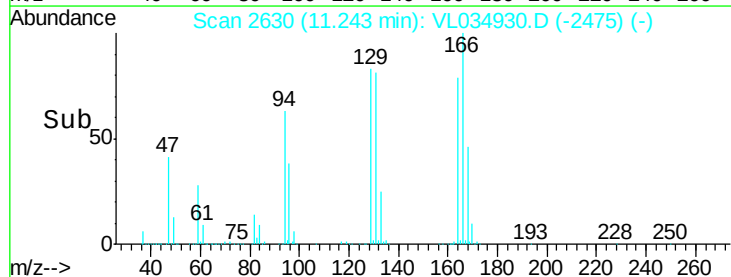
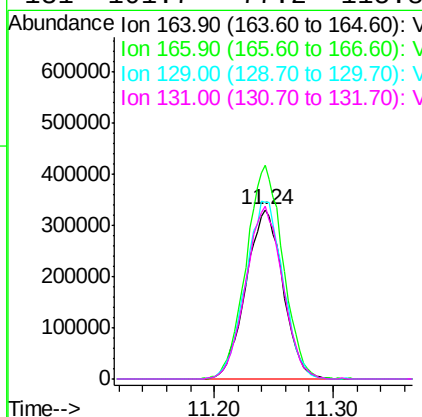
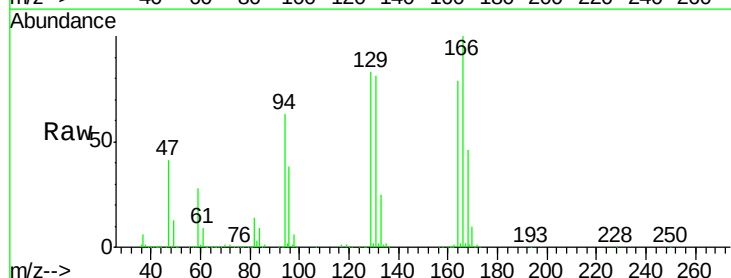
Instrument :
MSVOA_L
ClientSampleId :
VL0323ABSD01

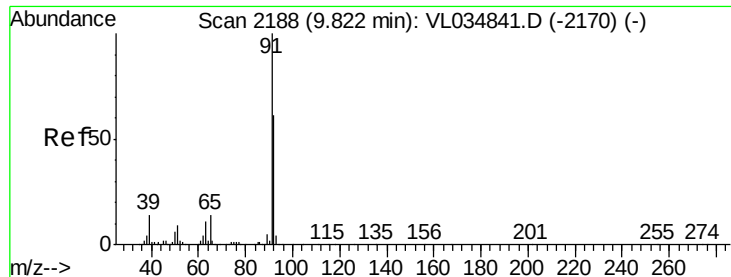
Tgt Ion: 43 Resp: 1839437
Ion Ratio Lower Upper
43 100
58 48.2 38.6 58.0
98 0.3 0.1 0.1#



#52
Tetrachloroethene
Concen: 9.241 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. -0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion: 164 Resp: 711551
Ion Ratio Lower Upper
164 100
166 126.1 100.0 150.0
129 104.2 83.1 124.7
131 101.7 77.2 115.8





#53

Toluene

Concen: 10.435 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.00 min

Lab File: VL034930.D

Acq: 23 Mar 2020 14:36

Instrument :

MSVOA_L

ClientSampleId :

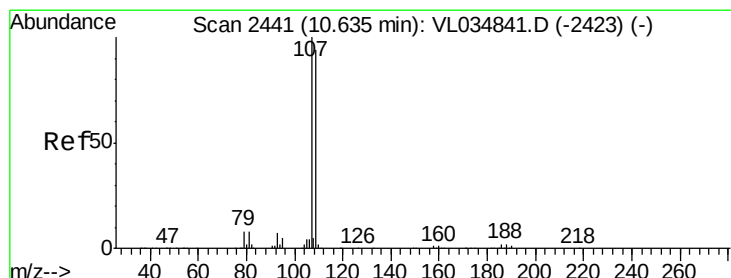
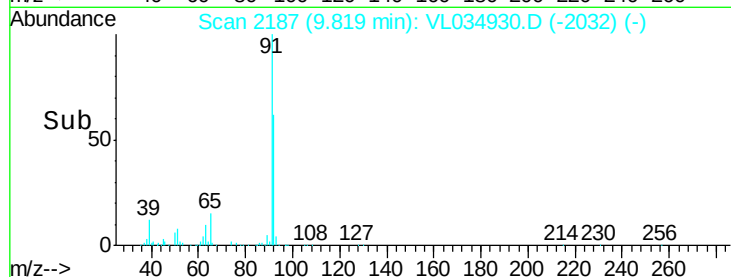
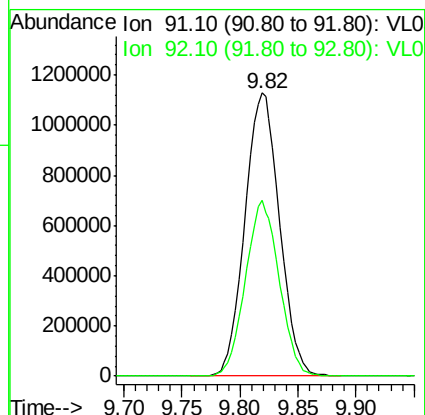
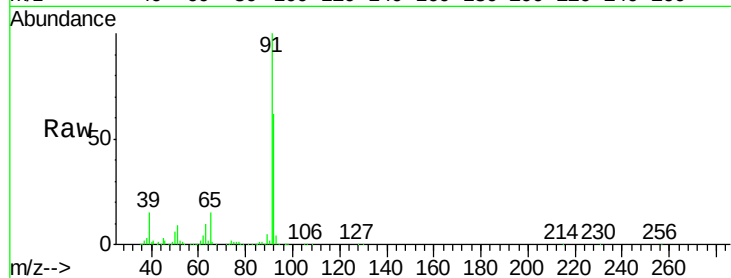
VL0323ABSD01

Tgt Ion: 91 Resp: 2345332

Ion Ratio Lower Upper

91 100

92 60.5 48.6 72.8



#54

1,2-Dibromoethane

Concen: 10.611 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. -0.01 min

Lab File: VL034930.D

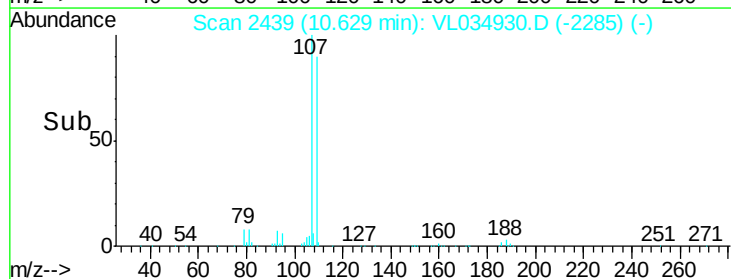
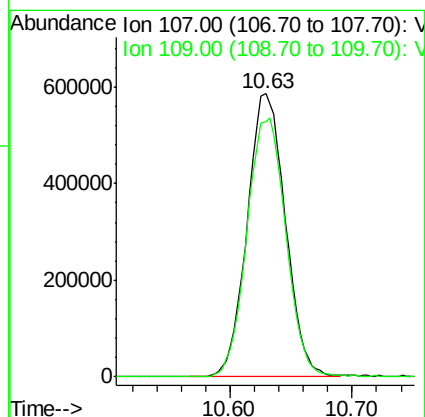
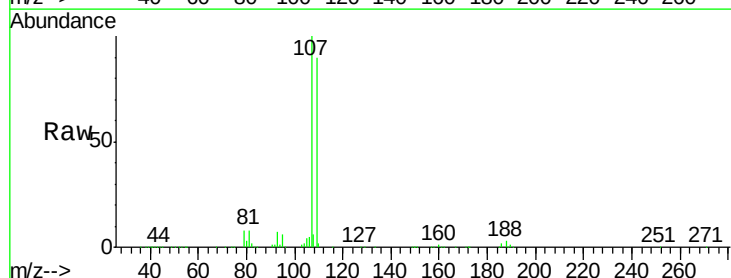
Acq: 23 Mar 2020 14:36

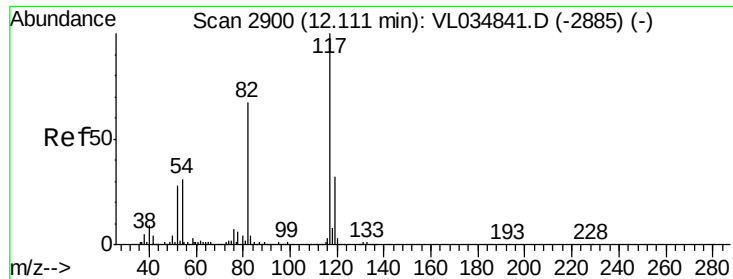
Tgt Ion: 107 Resp: 1264057

Ion Ratio Lower Upper

107 100

109 90.4 74.9 112.3

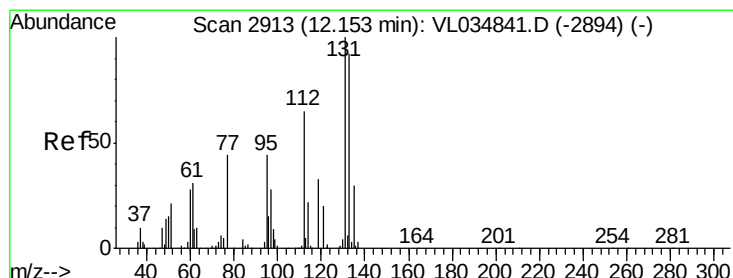
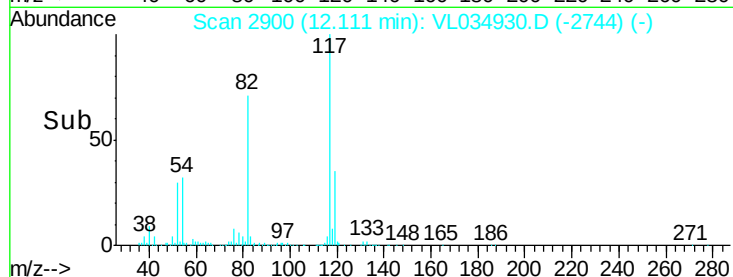
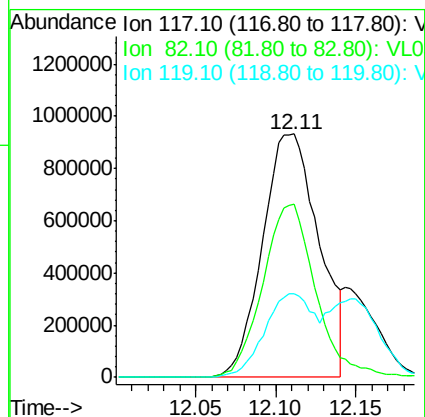
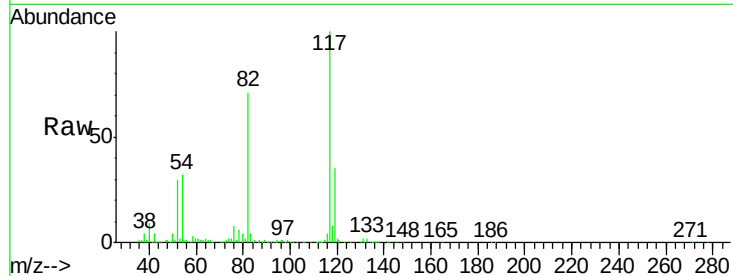




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

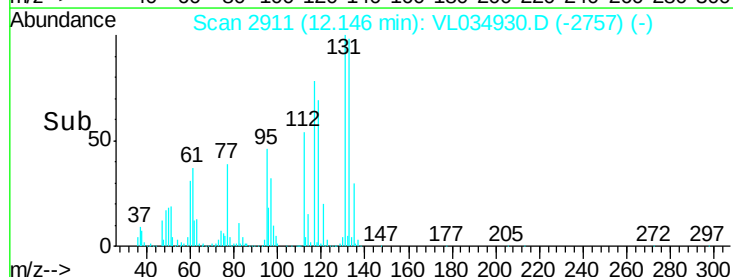
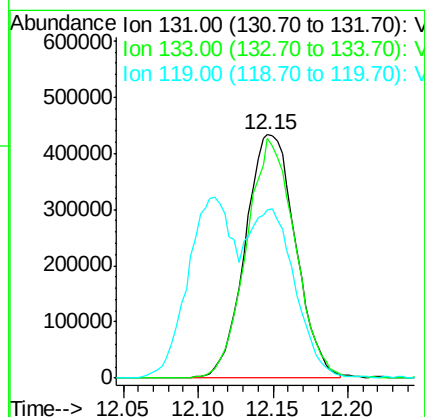
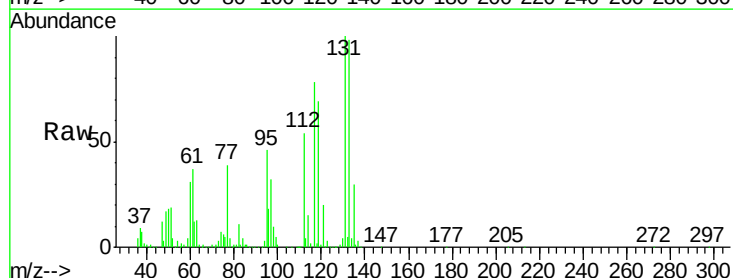
Instrument :
MSVOA_L
ClientSampleId :
VL0323ABSD01

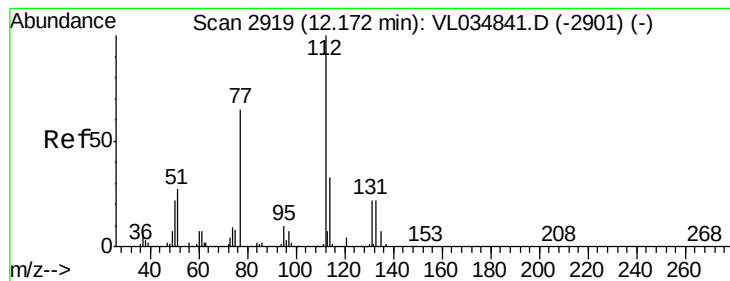
Tgt Ion:117 Resp: 2295692
Ion Ratio Lower Upper
117 100
82 66.7 51.1 76.7
119 31.8 27.3 40.9



#56
1,1,1,2-Tetrachloroethane
Concen: 9.806 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion:131 Resp: 1011195
Ion Ratio Lower Upper
131 100
133 95.8 76.0 114.0
119 56.8 47.8 71.8





#57

Chlorobenzene

Concen: 9.707 ppbv

RT: 12.17 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VL034930.D

Acq: 23 Mar 2020 14:36

Instrument :

MSVOA_L

ClientSampleId :

VL0323ABSD01

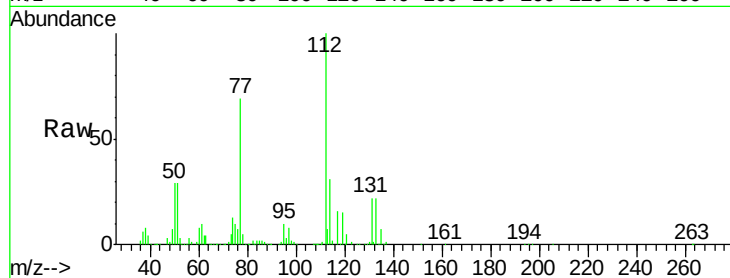
Tgt Ion: 112 Resp: 1743616

Ion Ratio Lower Upper

112 100

77 68.1 53.0 79.6

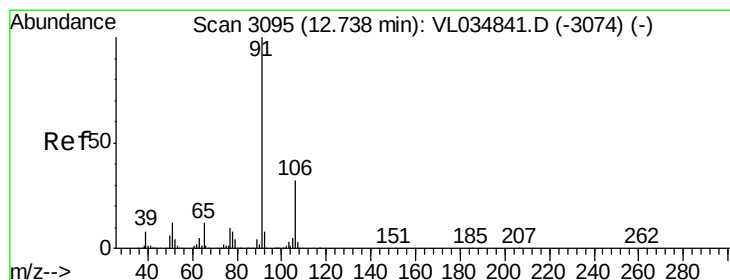
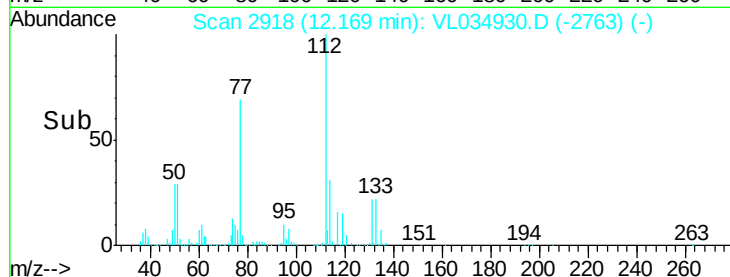
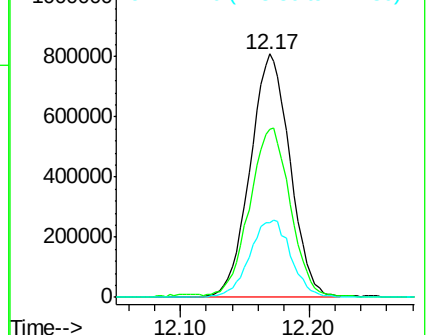
114 30.6 29.5 36.1



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: 10.106 ppbv

RT: 12.73 min Scan# 3093

Delta R.T. -0.01 min

Lab File: VL034930.D

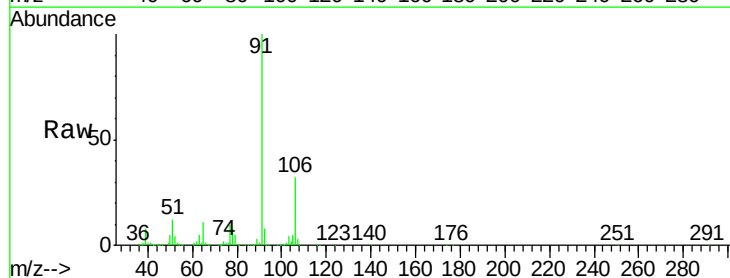
Acq: 23 Mar 2020 14:36

Tgt Ion: 91 Resp: 3141829

Ion Ratio Lower Upper

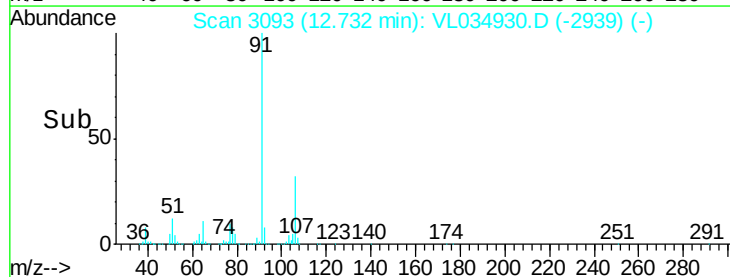
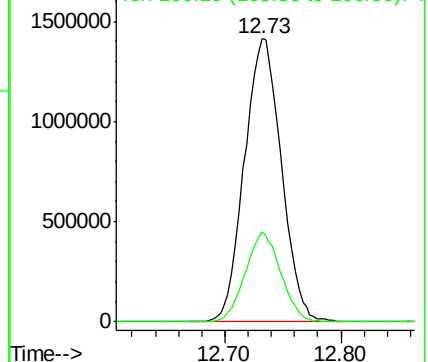
91 100

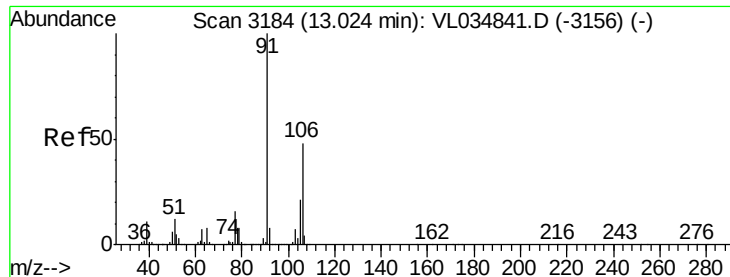
106 31.8 25.8 38.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 20.000 ppbv m

RT: 13.02 min Scan# 3183

Delta R.T. -0.00 min

Lab File: VL034930.D

Acq: 23 Mar 2020 14:36

Instrument :

MSVOA_L

ClientSampleId :

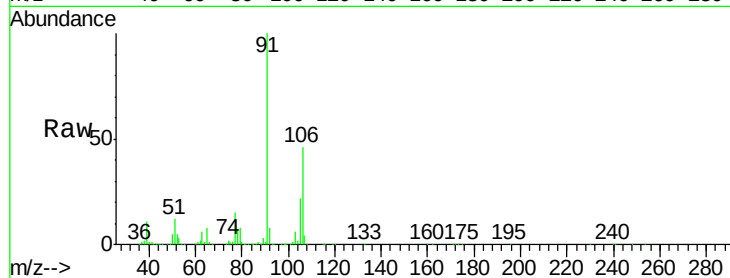
VL0323ABSD01

Tgt Ion: 91 Resp: 5209238

Ion Ratio Lower Upper

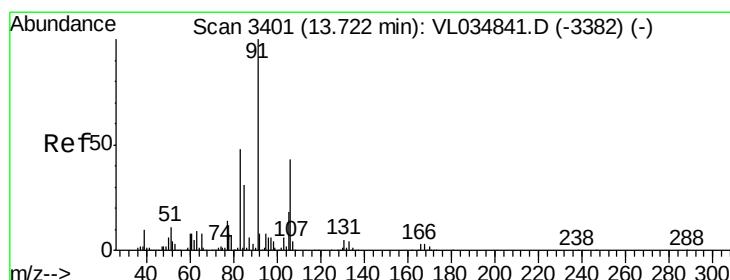
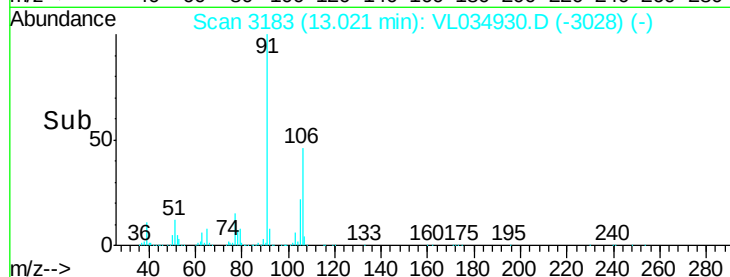
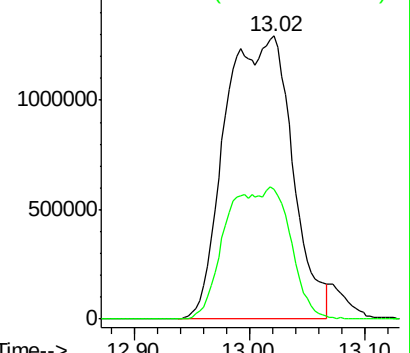
91 100

106 45.1 37.1 55.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 10.055 ppbv

RT: 13.72 min Scan# 3400

Delta R.T. -0.00 min

Lab File: VL034930.D

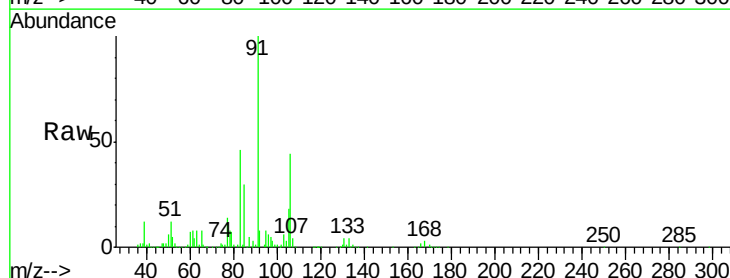
Acq: 23 Mar 2020 14:36

Tgt Ion: 91 Resp: 2557013

Ion Ratio Lower Upper

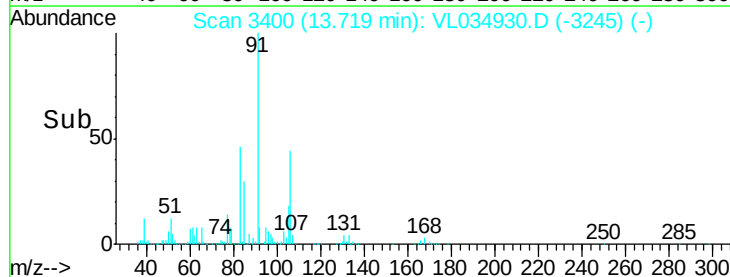
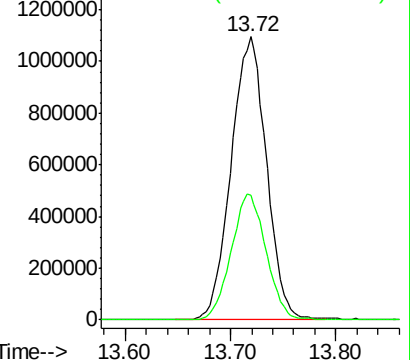
91 100

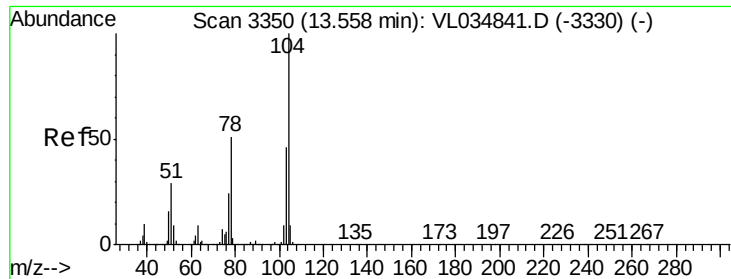
106 44.2 22.5 67.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Styrene

Concen: 10.504 ppbv

RT: 13.55 min Scan# 3348

Delta R.T. -0.01 min

Lab File: VL034930.D

Acq: 23 Mar 2020 14:36

Instrument :

MSVOA_L

ClientSampleId :

VL0323ABSD01

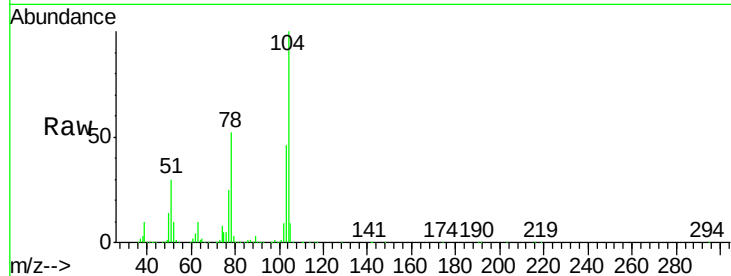
Tgt Ion:104 Resp: 1874625

Ion Ratio Lower Upper

104 100

78 54.2 41.8 62.6

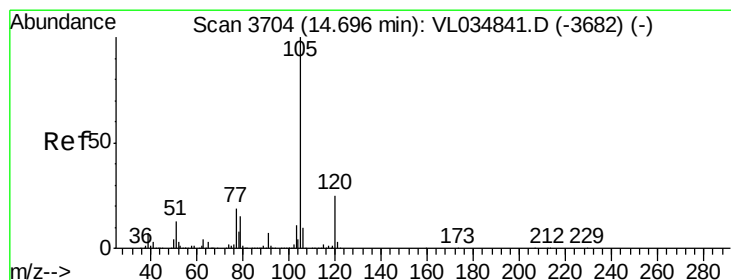
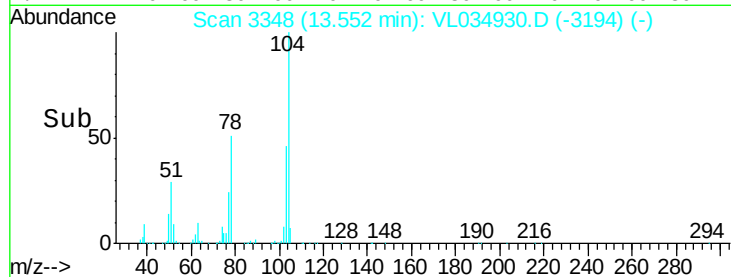
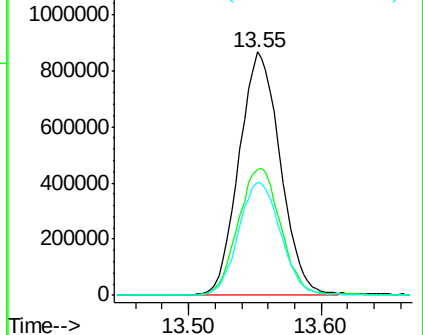
103 47.5 37.8 56.6



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: 9.825 ppbv

RT: 14.70 min Scan# 3704

Delta R.T. 0.00 min

Lab File: VL034930.D

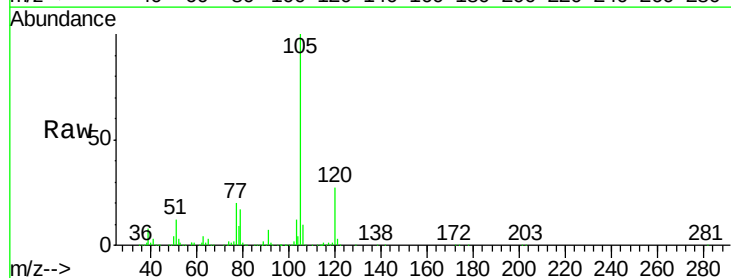
Acq: 23 Mar 2020 14:36

Tgt Ion:105 Resp: 3777833

Ion Ratio Lower Upper

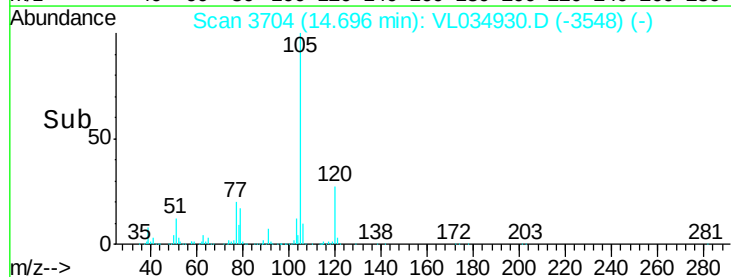
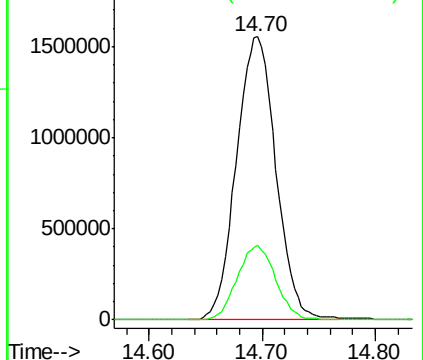
105 100

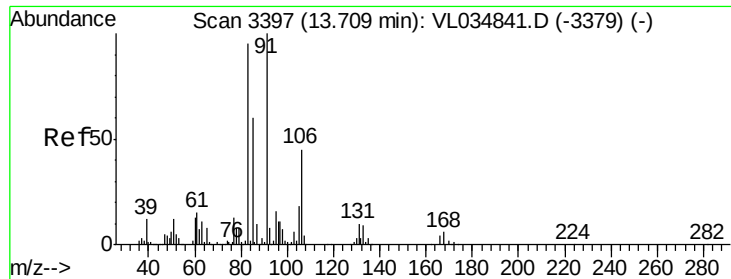
120 25.8 21.0 31.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

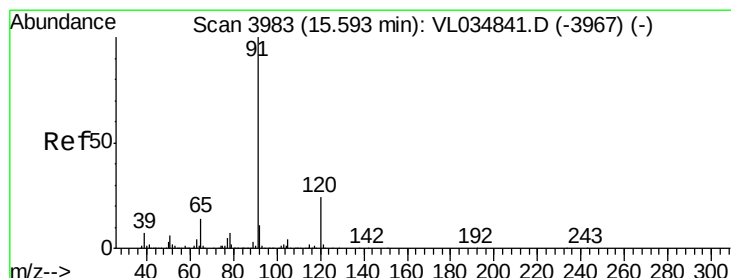
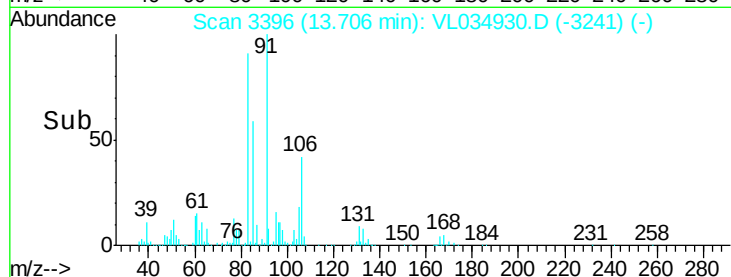
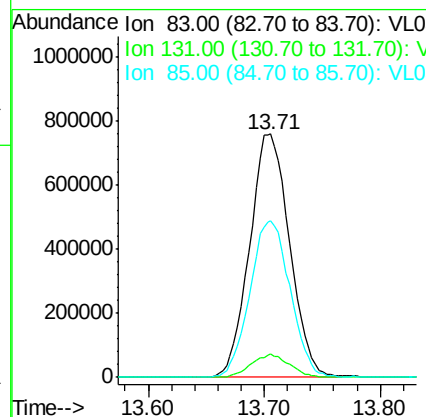
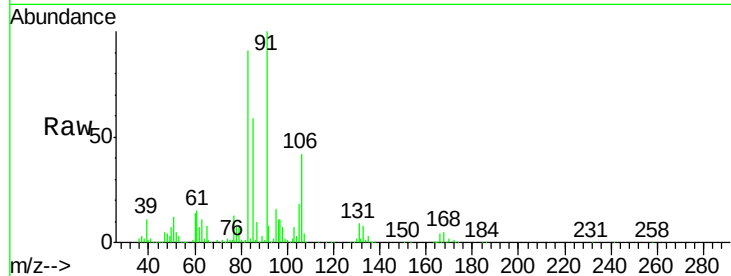




#63
 1,1,2,2-Tetrachloroethane
 Concen: 10.528 ppbv
 RT: 13.71 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VL034930.D
 Acq: 23 Mar 2020 14:36

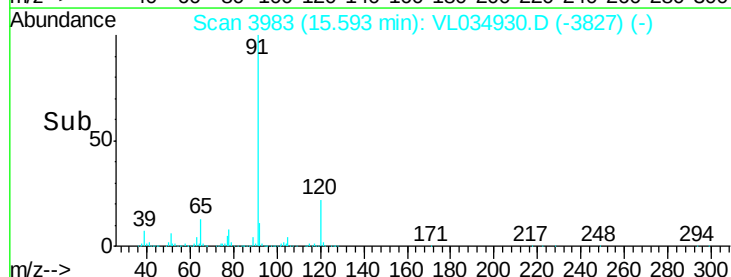
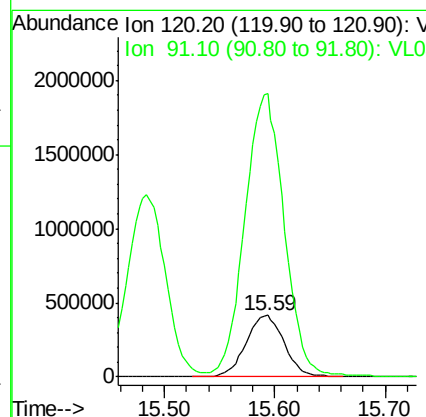
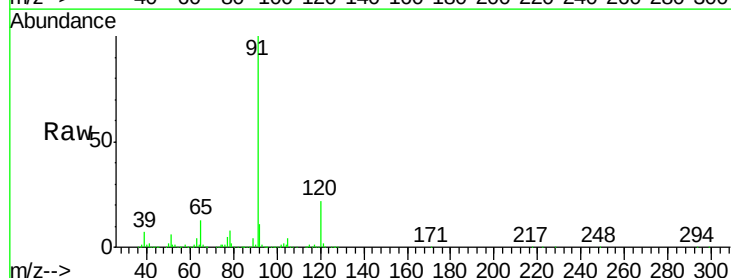
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0323ABSD01

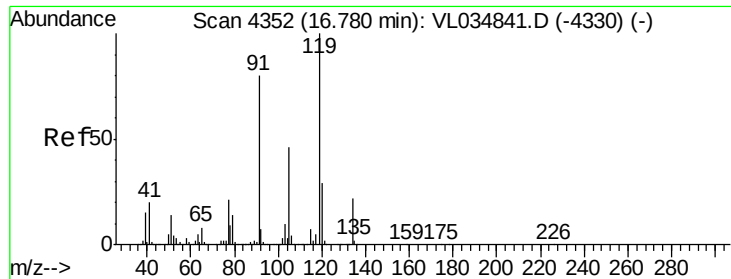
Tgt Ion: 83 Resp: 1817646
 Ion Ratio Lower Upper
 83 100
 131 9.2 5.0 14.9
 85 65.0 32.4 97.2



#64
 n-propylbenzene
 Concen: 9.935 ppbv
 RT: 15.59 min Scan# 3983
 Delta R.T. 0.00 min
 Lab File: VL034930.D
 Acq: 23 Mar 2020 14:36

Tgt Ion: 120 Resp: 994356
 Ion Ratio Lower Upper
 120 100
 91 477.2 360.9 541.3

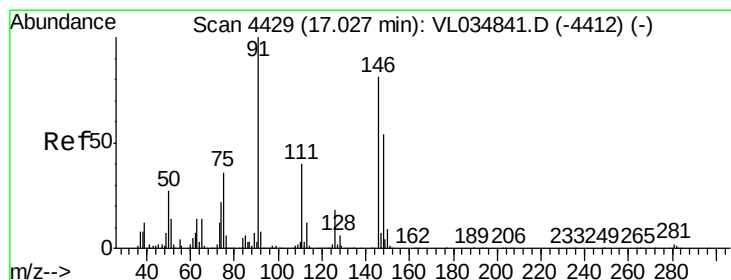
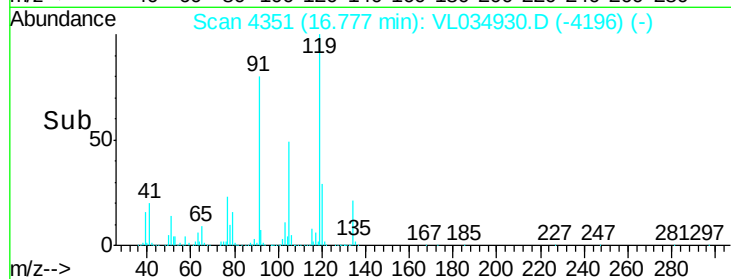
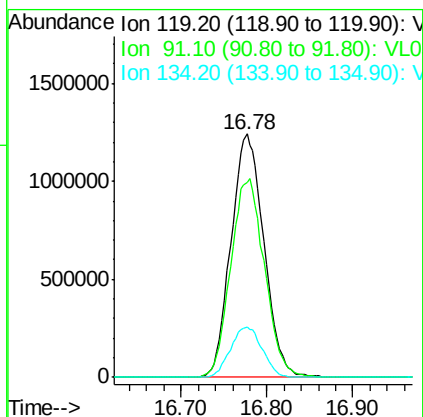
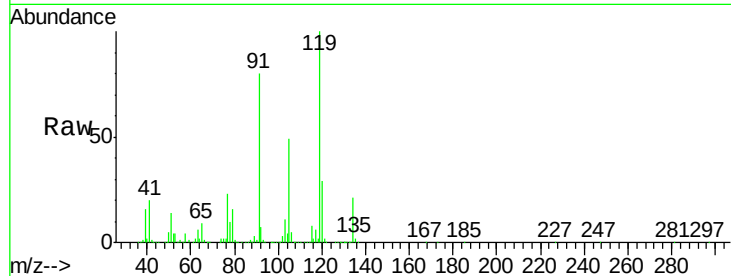




#65
 tert-Butylbenzene
 Concen: 9.782 ppbv
 RT: 16.78 min Scan# 4351
 Delta R.T. -0.00 min
 Lab File: VL034930.D
 Acq: 23 Mar 2020 14:36

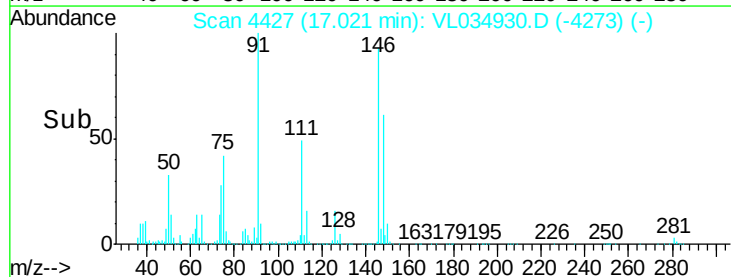
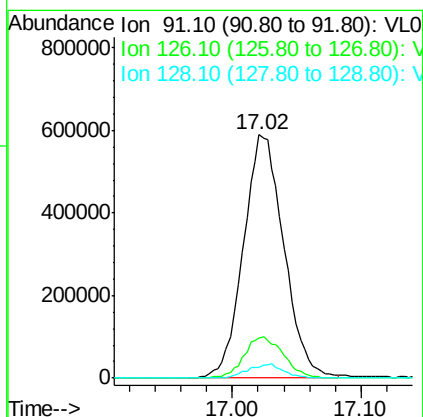
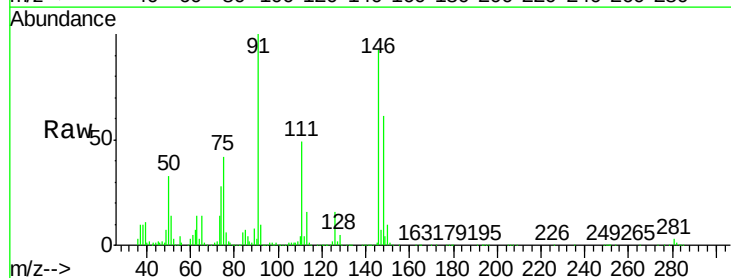
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0323ABSD01

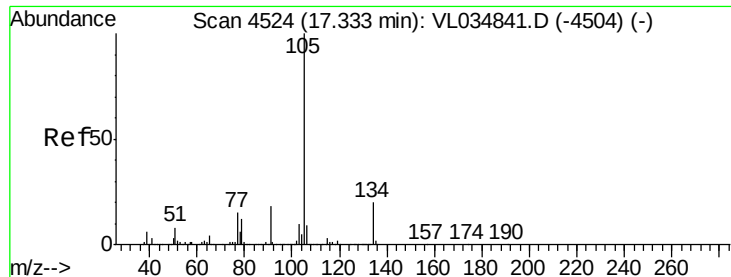
Tgt Ion: 119 Resp: 3288289
 Ion Ratio Lower Upper
 119 100
 91 84.2 64.9 97.3
 134 20.2 15.9 23.9



#66
 Benzyl Chloride
 Concen: 9.138 ppbv
 RT: 17.02 min Scan# 4427
 Delta R.T. -0.01 min
 Lab File: VL034930.D
 Acq: 23 Mar 2020 14:36

Tgt Ion: 91 Resp: 1280776
 Ion Ratio Lower Upper
 91 100
 126 16.6 14.7 22.1
 128 5.2 4.7 7.1





#67

sec-Butylbenzene

Concen: 10.148 ppbv

RT: 17.33 min Scan# 4522

Delta R.T. -0.01 min

Lab File: VL034930.D

Acq: 23 Mar 2020 14:36

Instrument :

MSVOA_L

ClientSampleId :

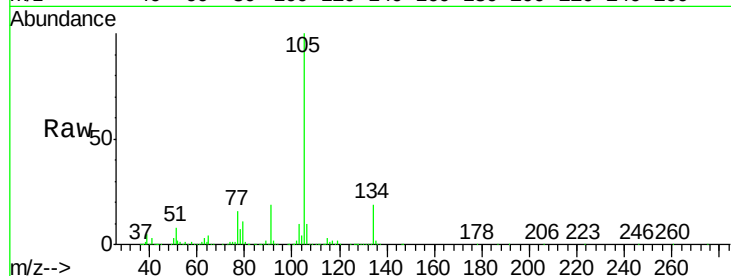
VL0323ABSD01

Tgt Ion:105 Resp: 4730315

Ion Ratio Lower Upper

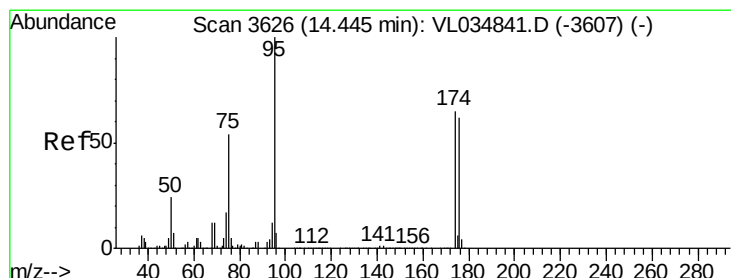
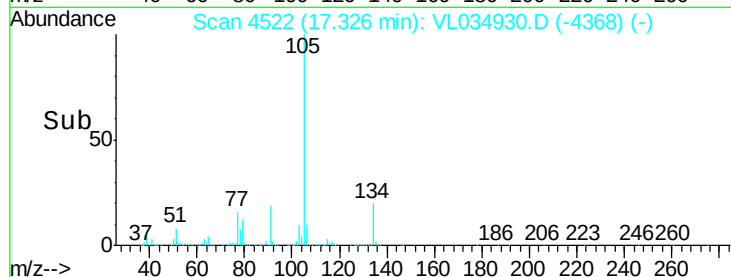
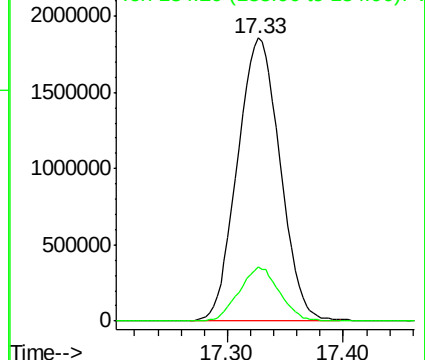
105 100

134 18.2 15.0 22.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.277 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. 0.00 min

Lab File: VL034930.D

Acq: 23 Mar 2020 14:36

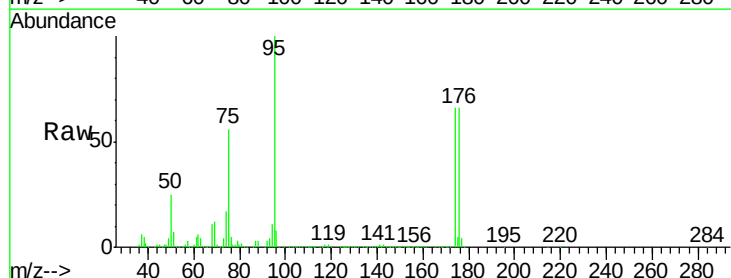
Tgt Ion: 95 Resp: 1839894

Ion Ratio Lower Upper

95 100

174 65.9 55.2 82.8

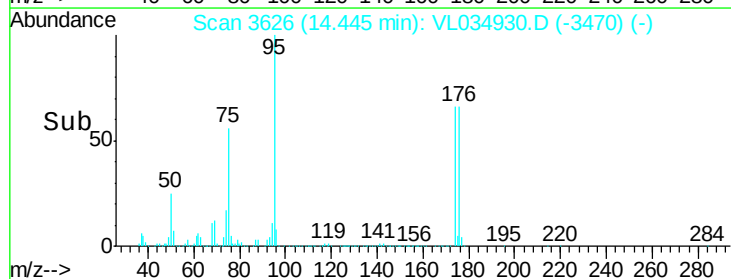
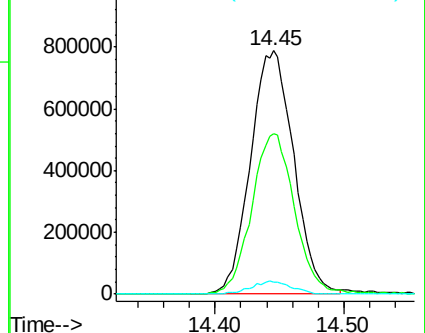
175 5.0 4.3 6.5

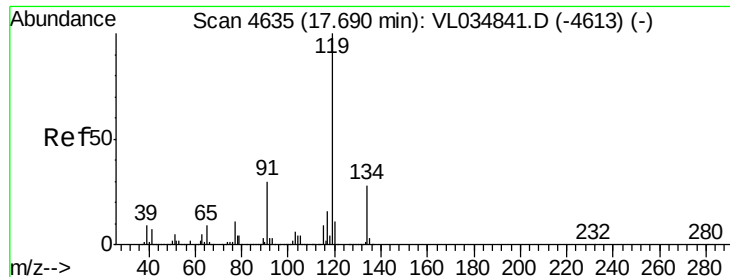


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

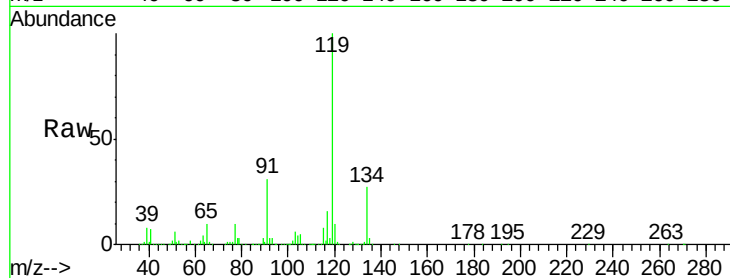




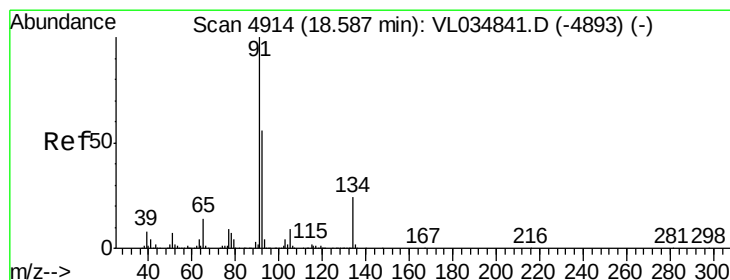
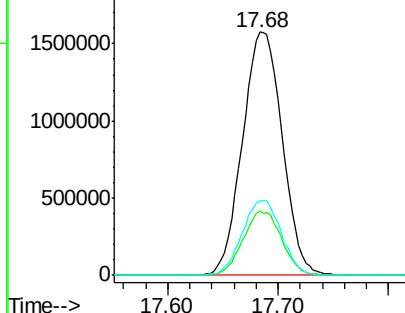
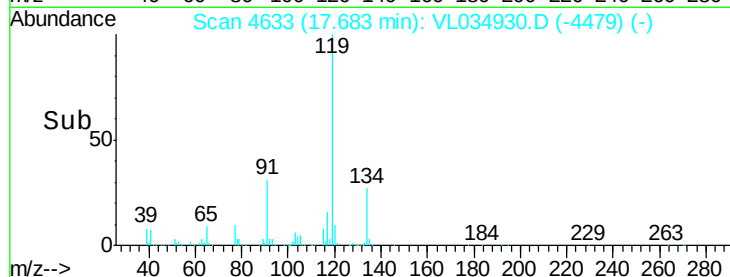
#69
 p-Isopropyltoluene
 Concen: 10.065 ppbv
 RT: 17.68 min Scan# 4633
 Delta R.T. -0.01 min
 Lab File: VL034930.D
 Acq: 23 Mar 2020 14:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0323ABSD01

Tgt Ion: 119 Resp: 3933661
 Ion Ratio Lower Upper
 119 100
 134 25.7 20.6 30.8
 91 30.4 23.4 35.2

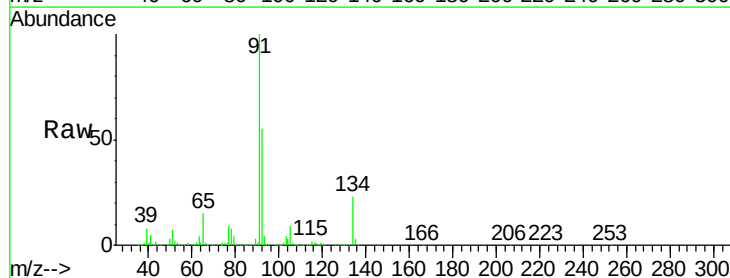


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

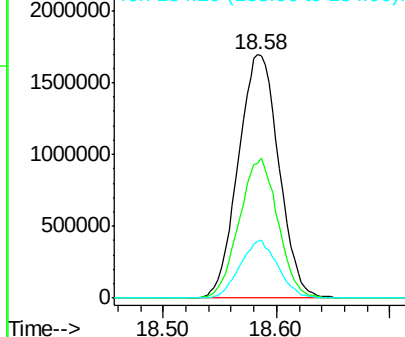
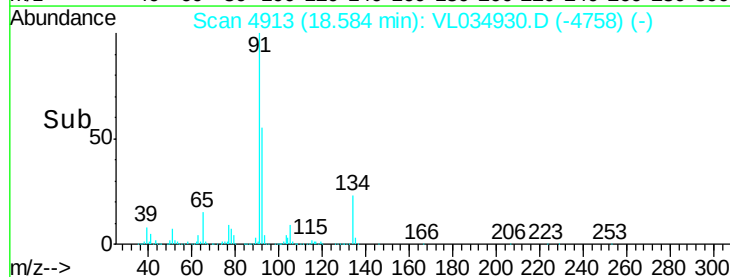


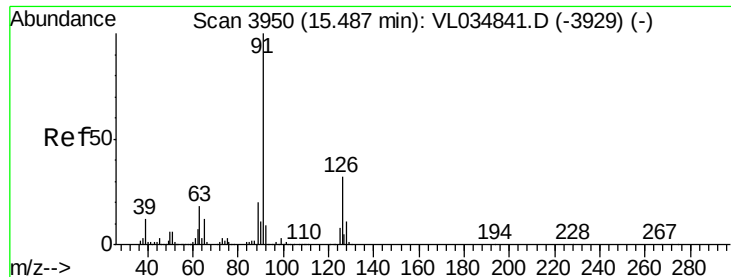
#70
 n-Butylbenzene
 Concen: 10.580 ppbv
 RT: 18.58 min Scan# 4913
 Delta R.T. -0.00 min
 Lab File: VL034930.D
 Acq: 23 Mar 2020 14:36

Tgt Ion: 91 Resp: 4218857
 Ion Ratio Lower Upper
 91 100
 92 54.8 43.8 65.6
 134 22.2 19.0 28.4



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: 10.132 ppbv

RT: 15.48 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VL034930.D

Acq: 23 Mar 2020 14:36

Instrument :

MSVOA_L

ClientSampleId :

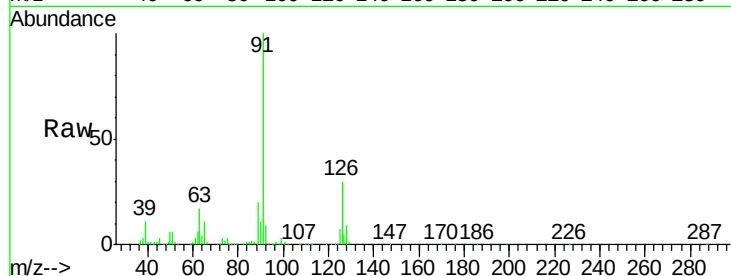
VL0323ABSD01

Tgt Ion: 91 Resp: 2950408

Ion Ratio Lower Upper

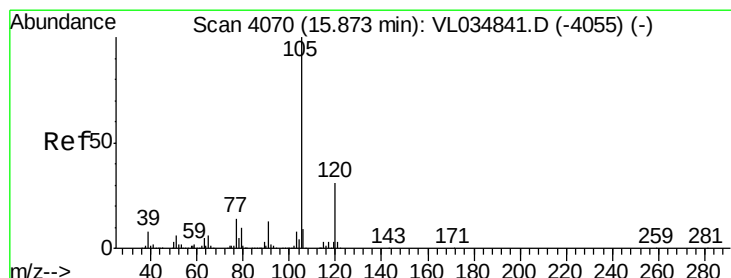
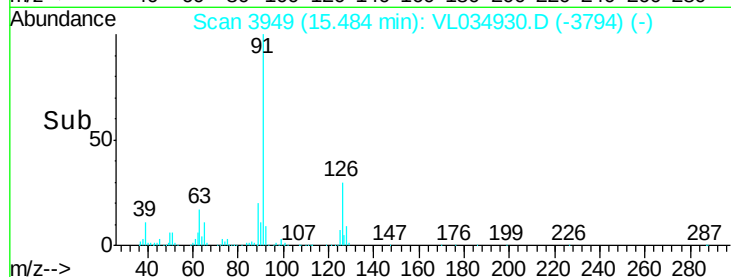
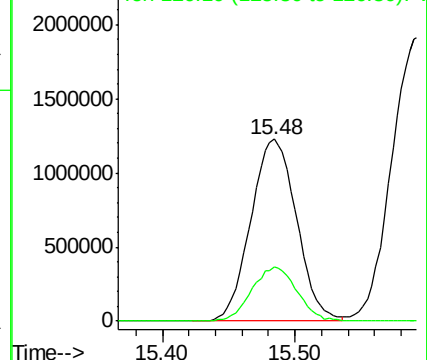
91 100

126 29.5 12.3 49.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.160 ppbv

RT: 15.87 min Scan# 4069

Delta R.T. -0.00 min

Lab File: VL034930.D

Acq: 23 Mar 2020 14:36

Tgt Ion: 105 Resp: 3051333

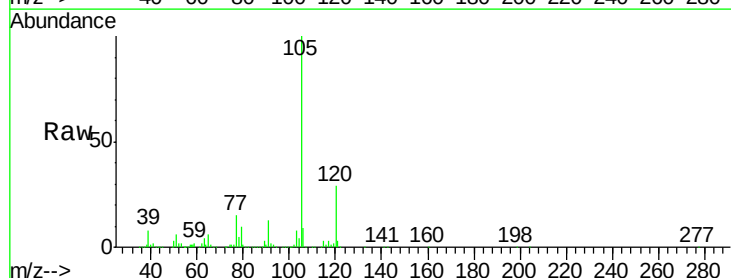
Ion Ratio Lower Upper

105 100

120 29.3 23.7 35.5

91 13.1 10.5 15.7

77 14.5 11.1 16.7

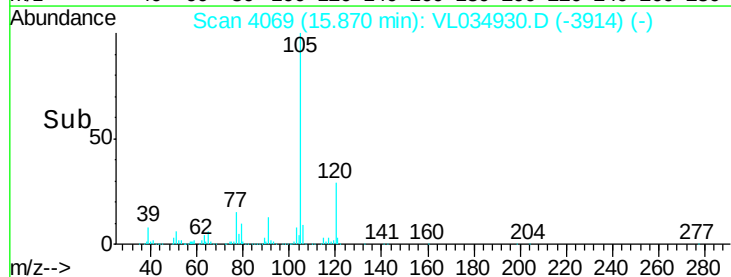
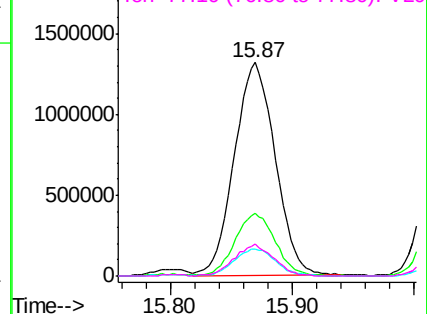


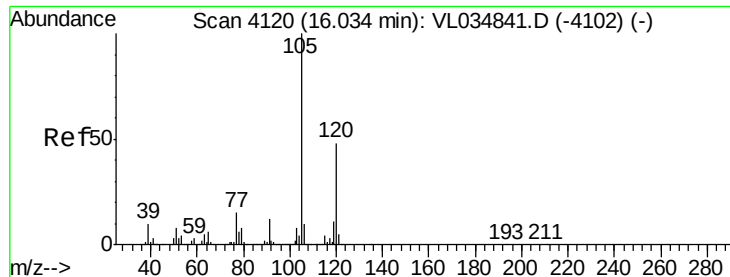
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 10.147 ppbv

RT: 16.03 min Scan# 4119

Delta R.T. -0.00 min

Lab File: VL034930.D

Acq: 23 Mar 2020 14:36

Instrument :

MSVOA_L

ClientSampleId :

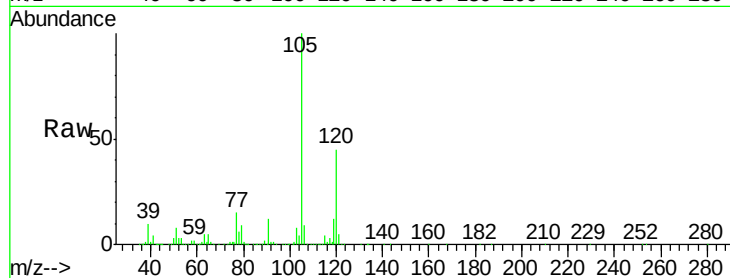
VL0323ABSD01

Tgt Ion:105 Resp: 2852741

Ion Ratio Lower Upper

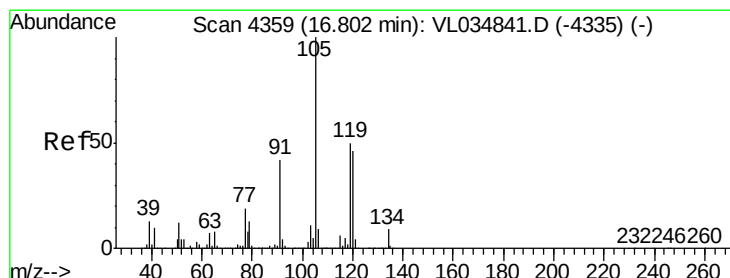
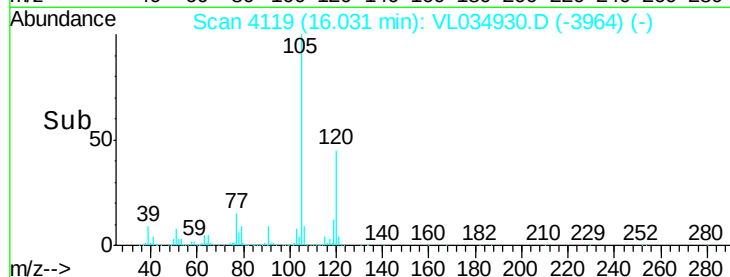
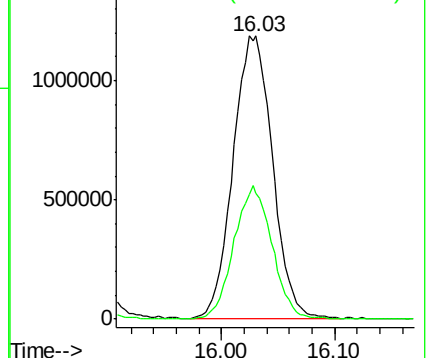
105 100

120 44.6 38.6 58.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 10.237 ppbv

RT: 16.80 min Scan# 4357

Delta R.T. -0.01 min

Lab File: VL034930.D

Acq: 23 Mar 2020 14:36

Tgt Ion:105 Resp: 2965072

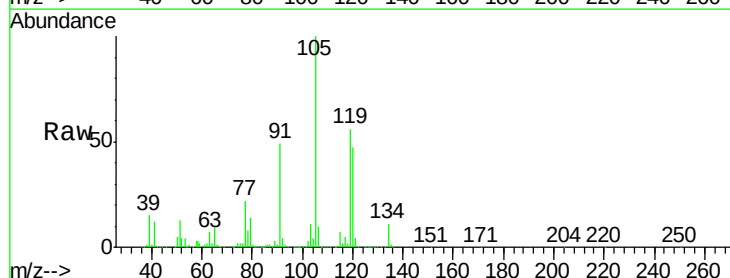
Ion Ratio Lower Upper

105 100

120 47.2 37.0 55.4

91 48.3 33.8 50.6

77 21.6 15.4 23.0

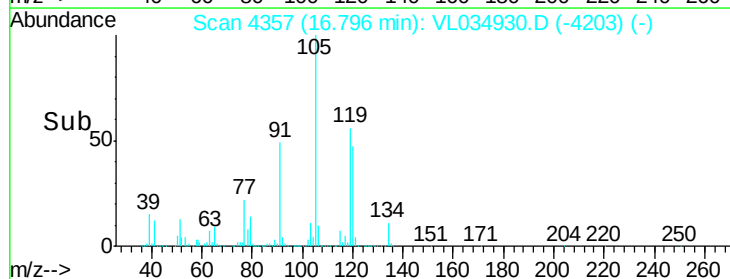
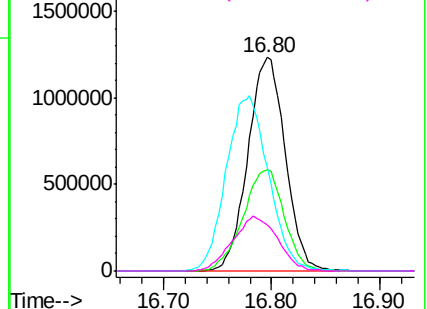


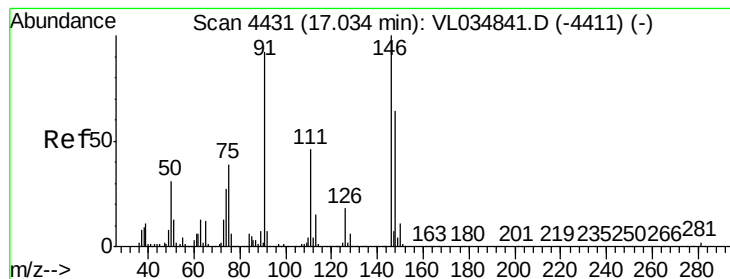
Abundance Ion 105.10 (104.80 to 105.80): V

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





#75

1,3-Dichlorobenzene

Concen: 9.822 ppbv

RT: 17.03 min Scan# 4431

Delta R.T. 0.00 min

Lab File: VL034930.D

Acq: 23 Mar 2020 14:36

Instrument :

MSVOA_L

ClientSampleId :

VL0323ABSD01

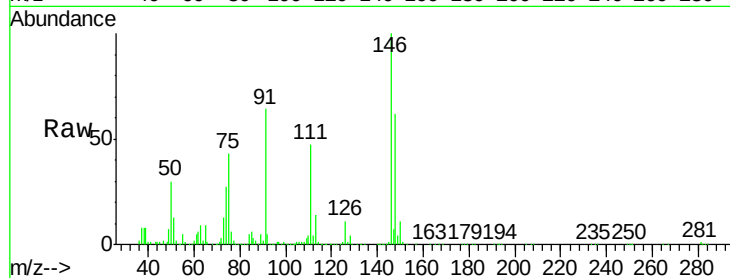
Tgt Ion:146 Resp: 1715315

Ion Ratio Lower Upper

146 100

111 48.2 23.9 71.7

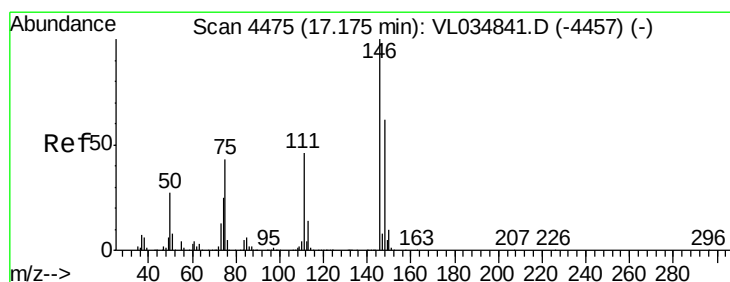
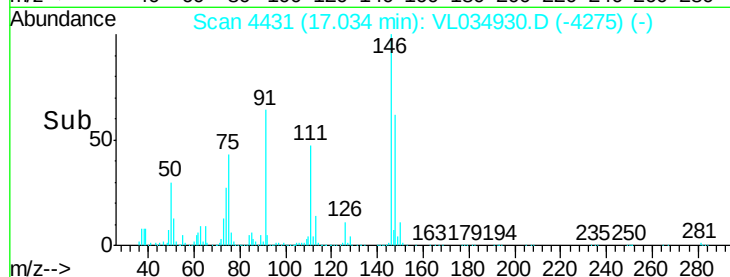
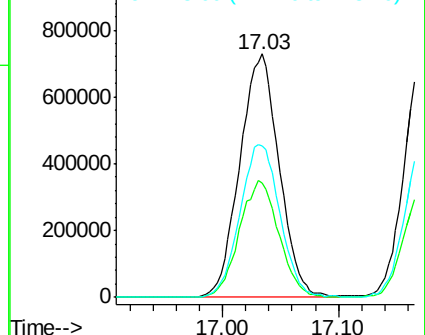
148 63.9 32.5 97.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 9.860 ppbv

RT: 17.18 min Scan# 4475

Delta R.T. 0.00 min

Lab File: VL034930.D

Acq: 23 Mar 2020 14:36

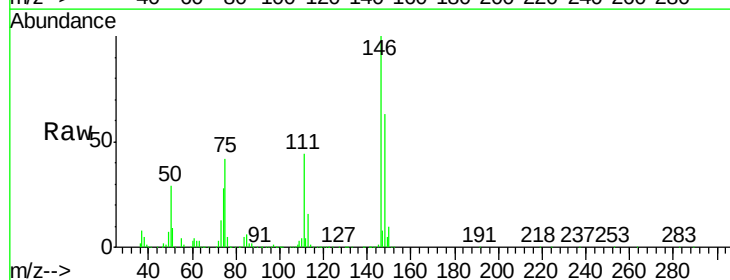
Tgt Ion:146 Resp: 1718418

Ion Ratio Lower Upper

146 100

111 47.2 23.4 70.2

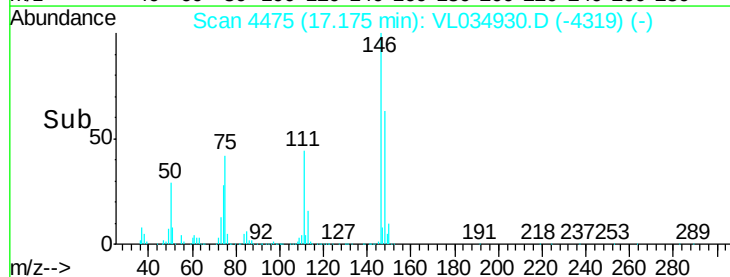
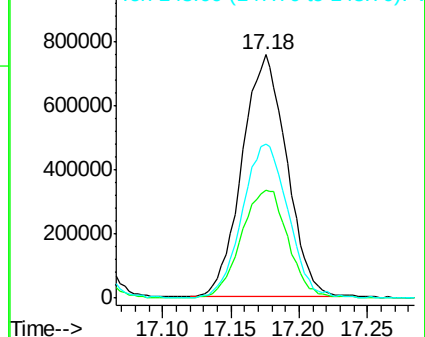
148 65.4 32.3 96.9

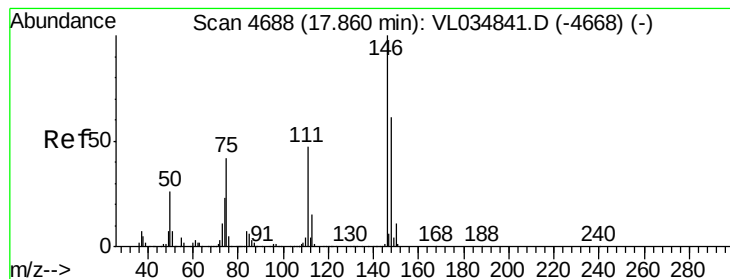


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 9.912 ppbv

RT: 17.85 min Scan# 4686

Delta R.T. -0.01 min

Lab File: VL034930.D

Acq: 23 Mar 2020 14:36

Instrument :

MSVOA_L

ClientSampleId :

VL0323ABSD01

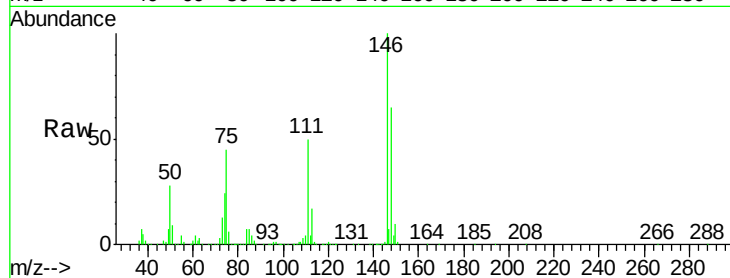
Tgt Ion:146 Resp: 1677933

Ion Ratio Lower Upper

146 100

111 49.9 23.8 71.4

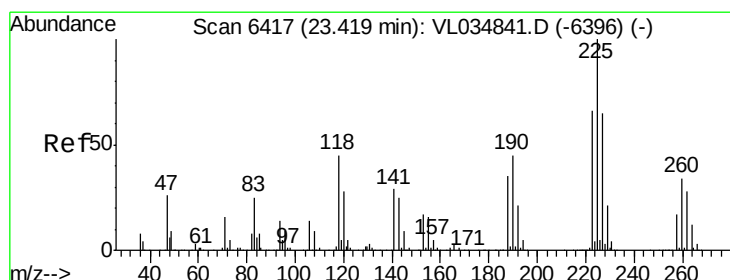
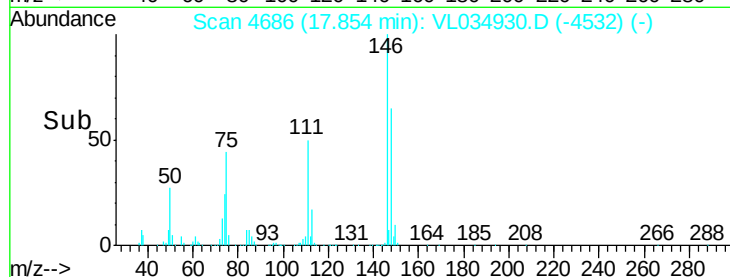
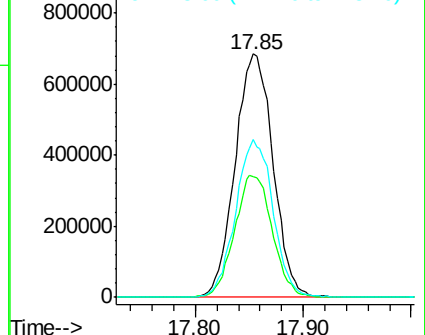
148 63.9 31.6 94.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 9.768 ppbv

RT: 23.41 min Scan# 6415

Delta R.T. -0.01 min

Lab File: VL034930.D

Acq: 23 Mar 2020 14:36

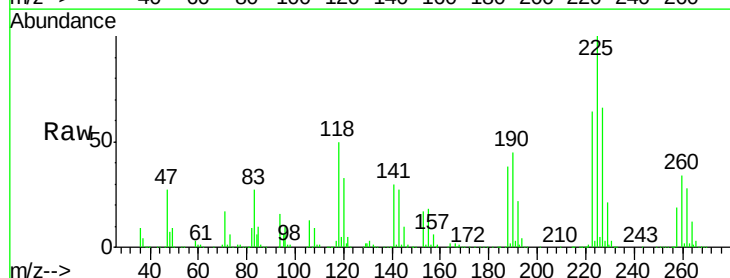
Tgt Ion:225 Resp: 1381128

Ion Ratio Lower Upper

225 100

223 63.9 51.1 76.7

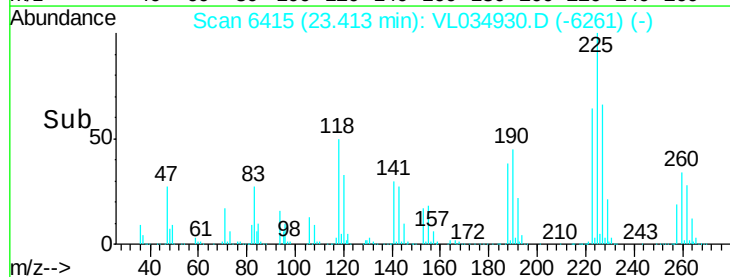
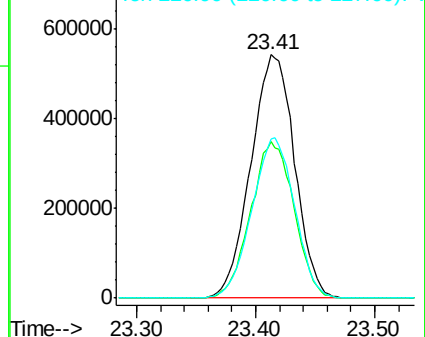
227 64.5 51.8 77.6

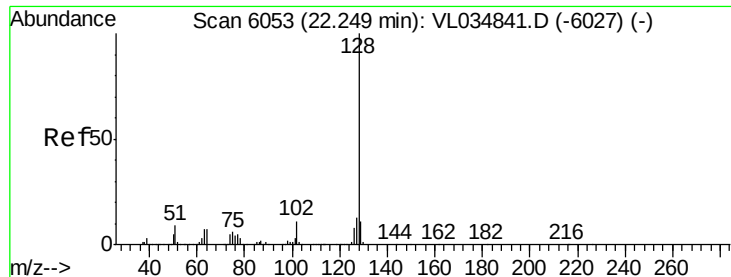


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 12.646 ppbv

RT: 22.25 min Scan# 6053

Delta R.T. 0.00 min

Lab File: VL034930.D

Acq: 23 Mar 2020 14:36

Instrument :

MSVOA_L

ClientSampleId :

VL0323ABSD01

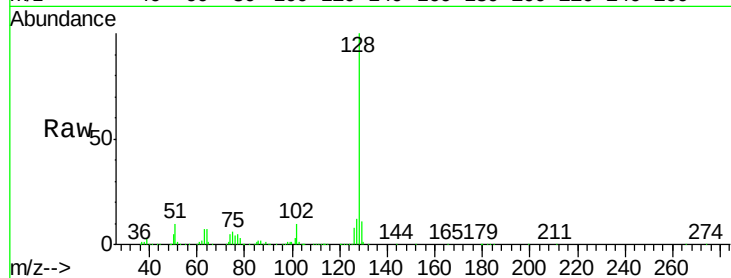
Tgt Ion:128 Resp: 2856590

Ion Ratio Lower Upper

128 100

127 12.3 10.2 15.2

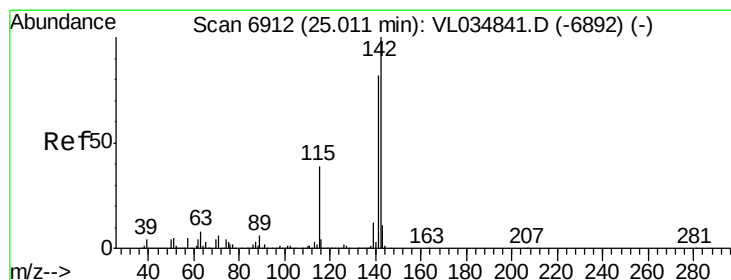
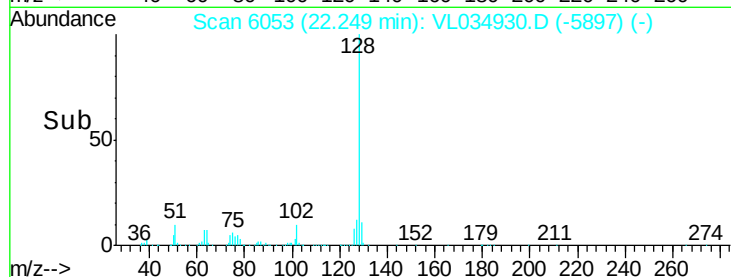
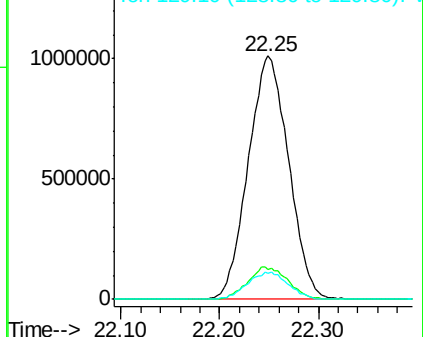
129 10.6 8.6 13.0



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: 20.599 ppbv

RT: 25.01 min Scan# 6911

Delta R.T. -0.00 min

Lab File: VL034930.D

Acq: 23 Mar 2020 14:36

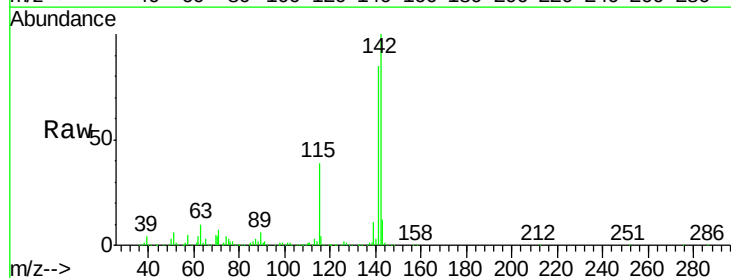
Tgt Ion:142 Resp: 1215936

Ion Ratio Lower Upper

142 100

141 84.6 68.9 103.3

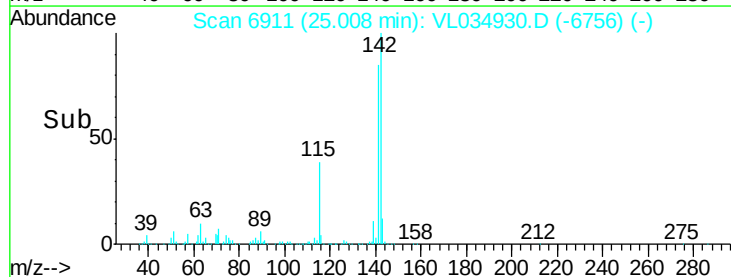
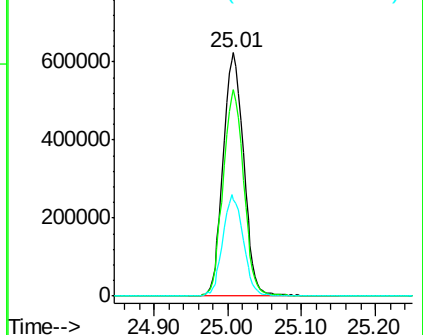
115 41.5 33.2 49.8

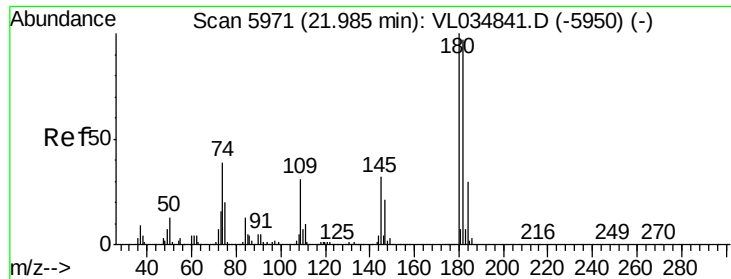


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

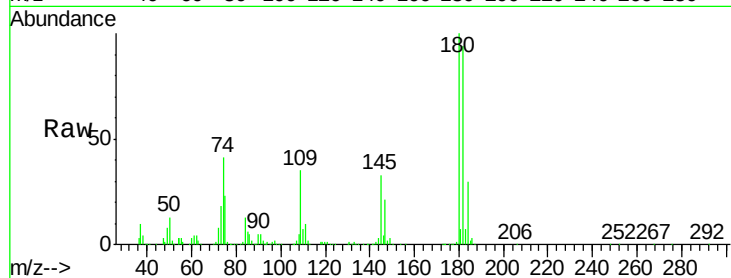




#81
 1,2,4-Trichlorobenzene
 Concen: 11.466 ppbv
 RT: 21.98 min Scan# 5969
 Delta R.T. -0.01 min
 Lab File: VL034930.D
 Acq: 23 Mar 2020 14:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0323ABSD01

Tgt Ion:180 Resp: 1645417
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.6 115.0
 184 30.8 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

