

Data File : VL034874.D

Acq On : 10 Mar 2020 20:19

Operator : SY/AP

Sample : L1861-04

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
NS-2

Quant Time: Mar 11 05:54:53 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	5.66	49	902745	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2005157	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2042239	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1627756	10.22	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.01	85	71487	0.578	ppbv	95
3) Chlorodifluoromethane	2.95	51	32033	0.318	ppbv	95
4) Chloromethane	3.11	50	39830	0.699	ppbv	94
5) Vinyl Chloride	3.21	62	573	0.010	ppbv #	76
7) Chloroethane	3.52	64	360	0.018	ppbv #	44
8) Dichlorotetrafluoroethane	3.15	85	2752	0.021	ppbv	87
9) Propene	2.97	41	398143	8.269	ppbv	95
10) Heptane	8.13	43	29443	0.248	ppbv #	80
11) Trichlorofluoromethane	3.93	101	30145	0.229	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	2589	0.028	ppbv #	1
13) Ethanol	3.59	45	2725552	186.201	ppbv	94
15) Acetone	3.82	43	1033490	8.833	ppbv #	72
16) 1,3-Butadiene	3.28	39	248139	4.690	ppbv #	44
19) Isopropyl Alcohol	3.96	45	161811	2.190	ppbv #	1
20) Methylene Chloride	4.32	84	57032	1.542	ppbv	94
21) Allyl Chloride	4.38	41	2417	0.032	ppbv #	1
23) Vinyl Acetate	5.05	43	61519	0.356	ppbv #	82
25) Ethyl Acetate	5.67	43	71846	0.345	ppbv #	92
26) Hexane	5.68	57	69080	0.770	ppbv #	50
27) Carbon Disulfide	4.53	76	11843	0.116	ppbv #	31
28) Methyl tert-Butyl Ether	5.02	73	4201	0.028	ppbv #	47
29) Chloroform	5.74	83	148093	1.081	ppbv	94
30) Cyclohexane	7.13	84	5754	0.077	ppbv #	1
31) cis-1,2-Dichloroethene	5.54	61	10558	0.115	ppbv #	86
34) 2-Butanone	5.24	43	128604	0.965	ppbv	99
35) Carbon Tetrachloride	7.02	117	2584	0.021	ppbv #	38
36) Benzene	6.90	78	117643	0.658	ppbv	97
38) Trichloroethene	7.85	130	3943	0.058	ppbv #	32
39) 1,2-Dichloropropane	7.18	63	533467	7.533	ppbv #	22
44) 2,2,4-Trimethylpentane	7.88	57	75532	0.250	ppbv #	73
50) 4-Methyl-2-Pentanone	8.75	43	31842	0.166	ppbv #	39
51) 2-Hexanone	10.13	43	7618	0.049	ppbv #	82
52) Tetrachloroethene	11.25	164	30547	0.432	ppbv	90
53) Toluene	9.83	91	286321	1.387	ppbv	98
58) Ethyl Benzene	12.74	91	167242	0.605	ppbv	92
59) m/p-Xylene	13.02	91	124006	0.535	ppbv #	30
60) o-Xylene	13.72	91	124287	0.549	ppbv	99
61) Styrene	13.56	104	2444	0.015	ppbv #	1
62) Isopropylbenzene	14.71	105	6039	0.018	ppbv #	1
64) n-propylbenzene	15.60	120	7977	0.090	ppbv #	1
65) tert-Butylbenzene	16.80	119	41022	0.137	ppbv #	48

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031020\
Quantitation Report (Not Reviewed)

Data File : VL034874.D
Acq On : 10 Mar 2020 20:19
Operator : SY/AP
Sample : L1861-04
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
NS-2

Quant Time: Mar 11 05:54:53 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

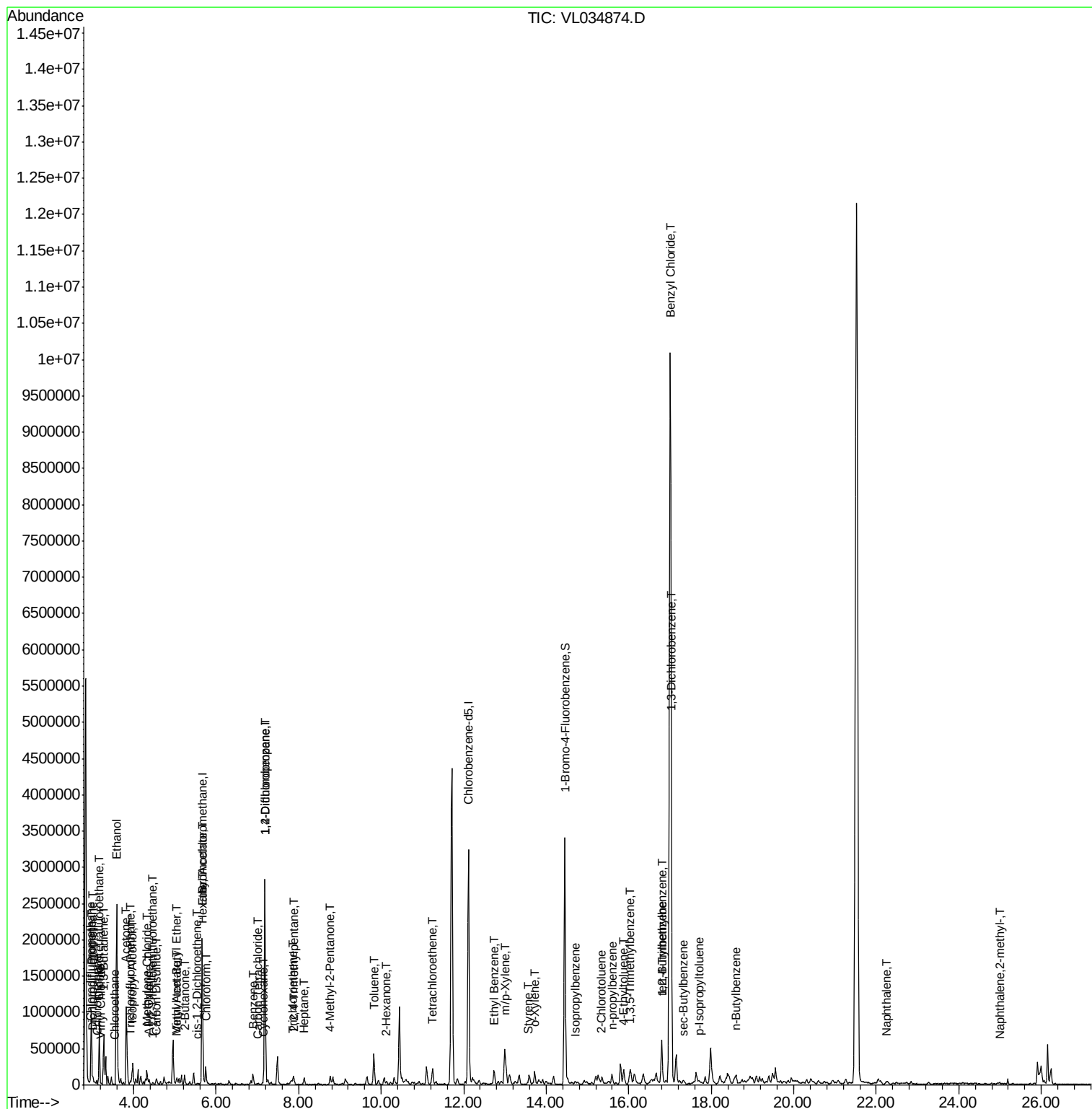
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) Benzyl Chloride	17.02	91	1590	0.013	ppbv #	1
67) sec-Butylbenzene	17.33	105	21180	0.051	ppbv	99
69) p-Isopropyltoluene	17.70	119	9641	0.028	ppbv #	12
70) n-Butylbenzene	18.59	91	31902	0.090	ppbv #	76
71) 2-Chlorotoluene	15.33	91	5329	0.021	ppbv	75
72) 4-Ethyltoluene	15.87	105	125226	0.469	ppbv #	97
73) 1,3,5-Trimethylbenzene	16.03	105	97432	0.390	ppbv	92
74) 1,2,4-Trimethylbenzene	16.80	105	409139	1.588	ppbv #	76
75) 1,3-Dichlorobenzene	17.04	146	3451	0.022	ppbv #	22
79) Naphthalene	22.26	128	9180	0.046	ppbv #	68
80) Naphthalene,2-methyl-	25.02	142	3344	0.064	ppbv #	62

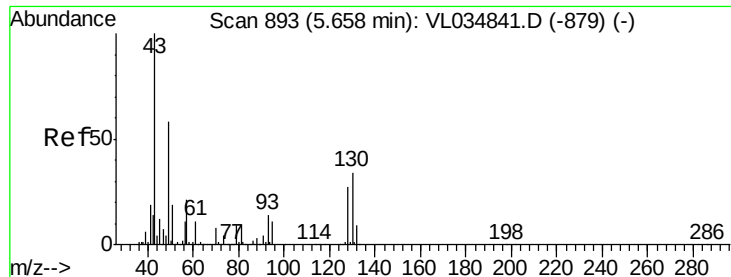
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VL034874.D
Acq On : 10 Mar 2020 20:19
Operator : SY/AP
Sample : L1861-04
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
NS-2

Quant Time: Mar 11 05:54:53 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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.00 min

Lab File: VL034874.D

Acq: 10 Mar 2020 20:19

Instrument :

MSVOA_L

ClientSampleId :

NS-2

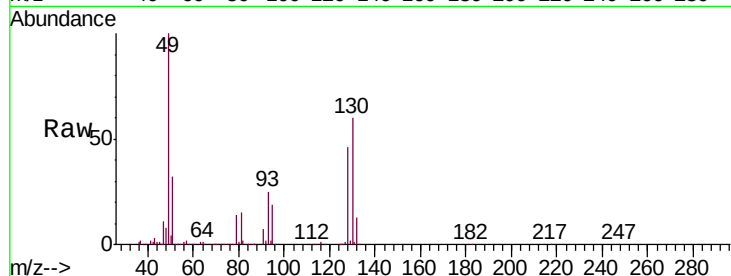
Tgt Ion: 49 Resp: 902745

Ion Ratio Lower Upper

49 100

128 47.0 23.4 70.3

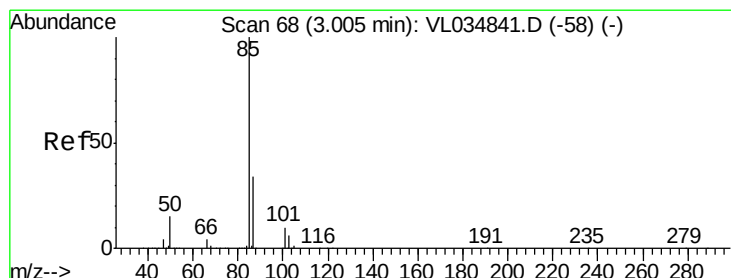
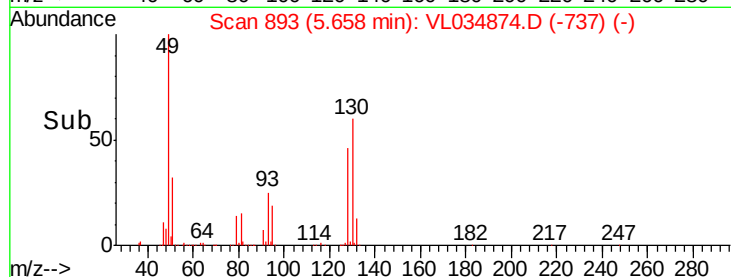
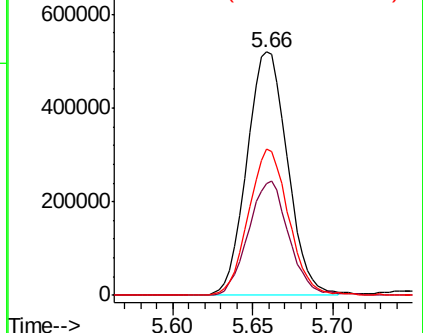
130 59.7 30.0 90.0



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: 0.578 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL034874.D

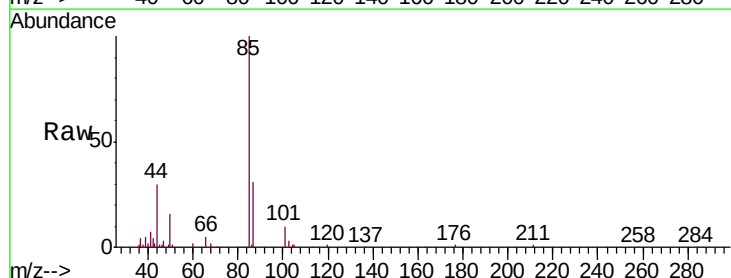
Acq: 10 Mar 2020 20:19

Tgt Ion: 85 Resp: 71487

Ion Ratio Lower Upper

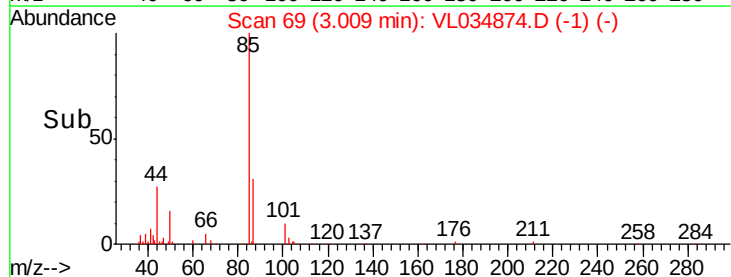
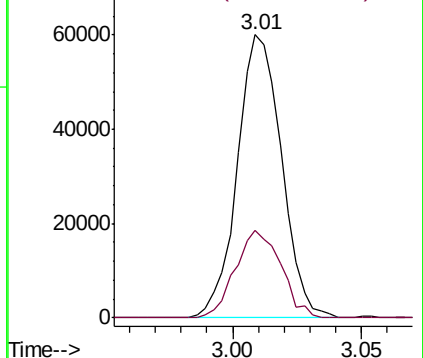
85 100

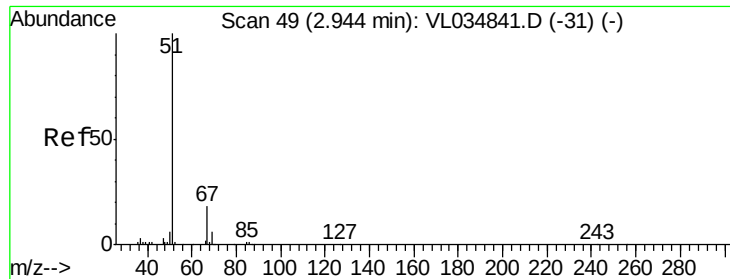
87 30.7 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

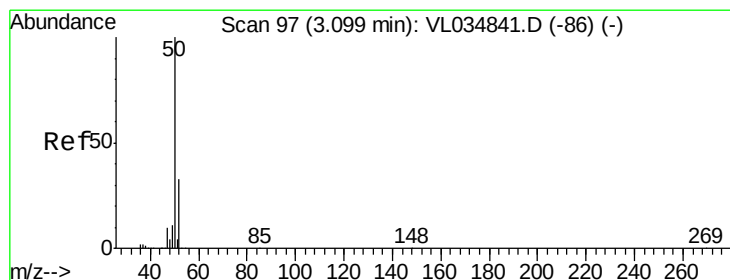
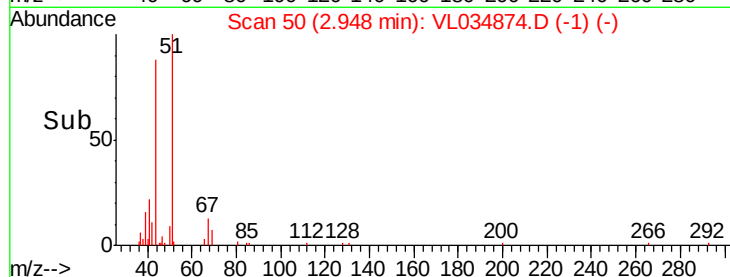
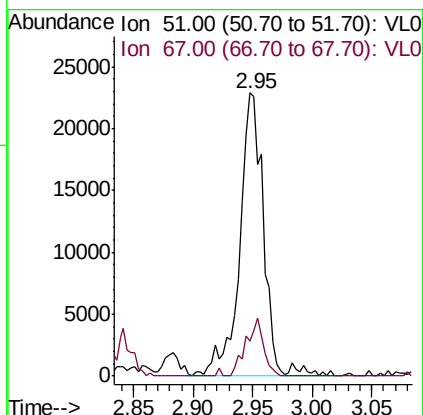
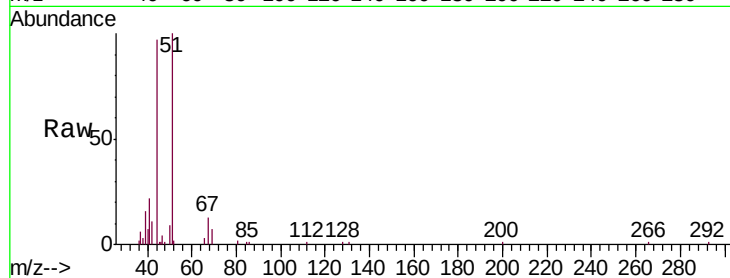




#3
Chlorodifluoromethane
Concen: 0.318 ppbv
RT: 2.95 min Scan# 50
Delta R.T. 0.00 min
Lab File: VL034874.D
Acq: 10 Mar 2020 20:19

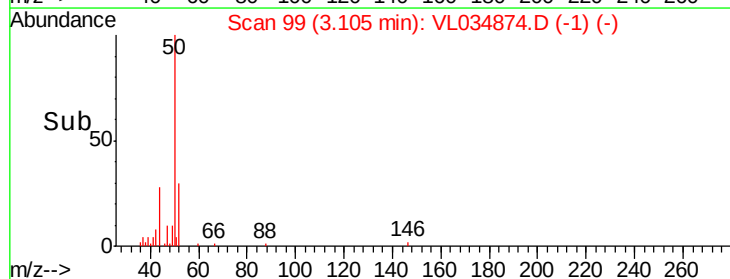
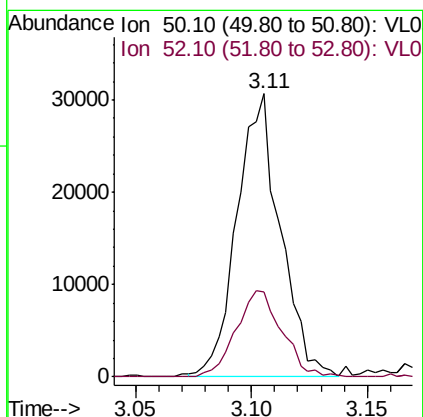
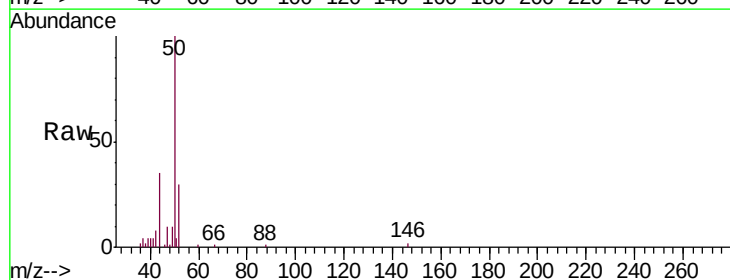
Instrument :
MSVOA_L
ClientSampleId :
NS-2

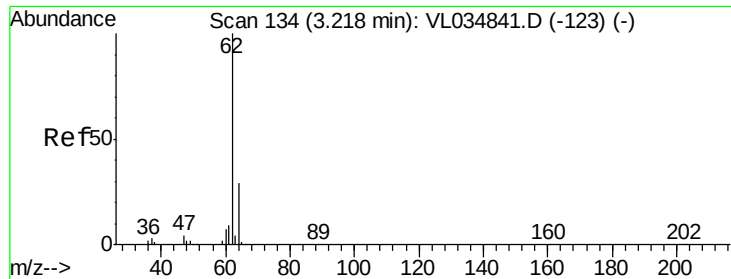
Tgt Ion: 51 Resp: 32033
Ion Ratio Lower Upper
51 100
67 15.5 14.3 21.5



#4
Chloromethane
Concen: 0.699 ppbv
RT: 3.11 min Scan# 99
Delta R.T. 0.01 min
Lab File: VL034874.D
Acq: 10 Mar 2020 20:19

Tgt Ion: 50 Resp: 39830
Ion Ratio Lower Upper
50 100
52 29.8 26.8 40.2





#5

Vinyl Chloride

Concen: 0.010 ppbv

RT: 3.21 min Scan# 133

Delta R.T. -0.00 min

Lab File: VL034874.D

Acq: 10 Mar 2020 20:19

Instrument :

MSVOA_L

ClientSampleId :

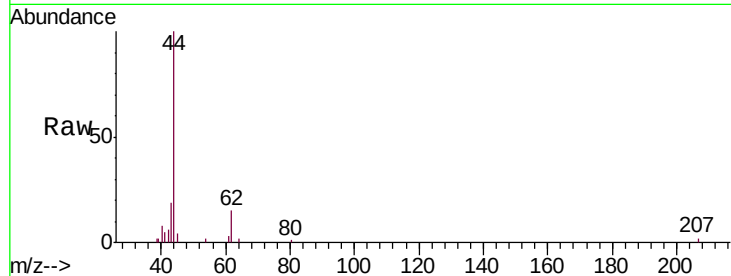
NS-2

Tgt Ion: 62 Resp: 573

Ion Ratio Lower Upper

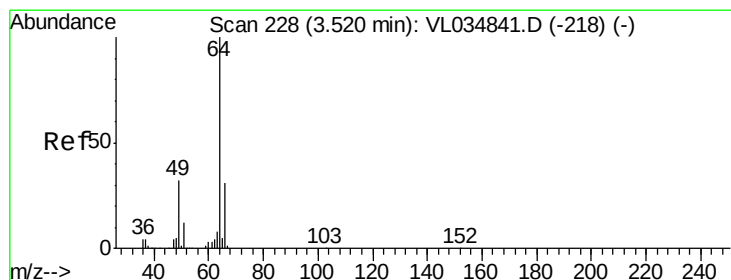
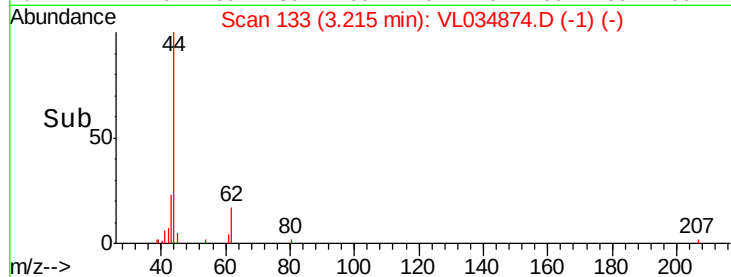
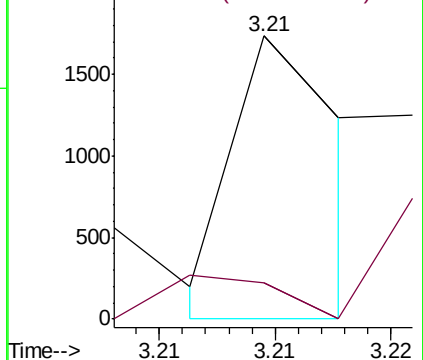
62 100

64 15.8 23.0 34.4#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#7

Chloroethane

Concen: 0.018 ppbv

RT: 3.52 min Scan# 229

Delta R.T. 0.00 min

Lab File: VL034874.D

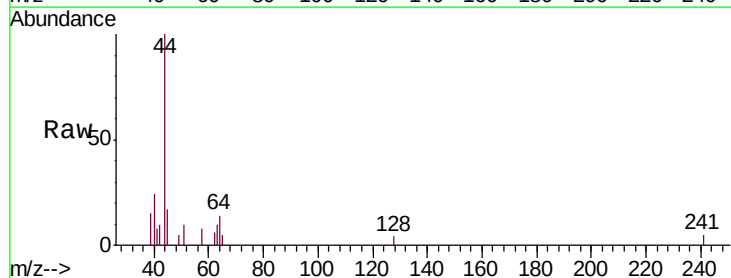
Acq: 10 Mar 2020 20:19

Tgt Ion: 64 Resp: 360

Ion Ratio Lower Upper

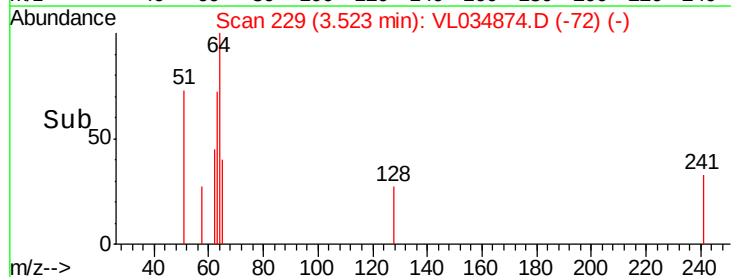
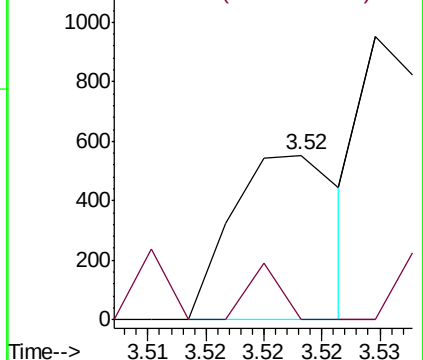
64 100

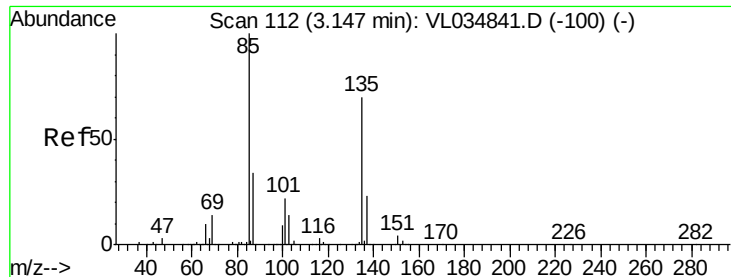
66 0.0 24.8 37.2#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0





#8

Dichlorotetrafluoroethane

Concen: 0.021 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL034874.D

Acq: 10 Mar 2020 20:19

Instrument :

MSVOA_L

ClientSampleId :

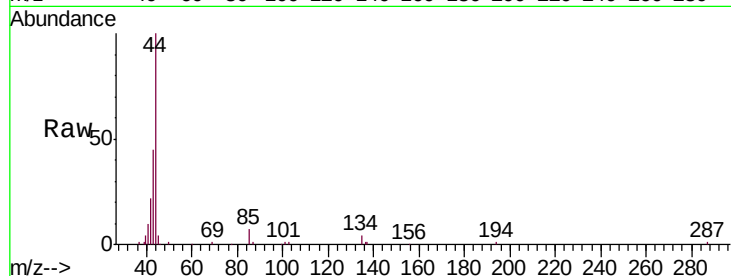
NS-2

Tgt Ion: 85 Resp: 2752

Ion Ratio Lower Upper

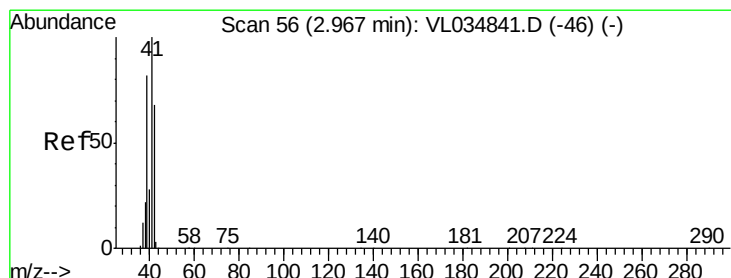
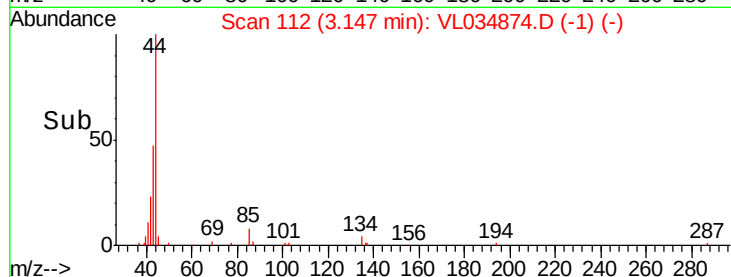
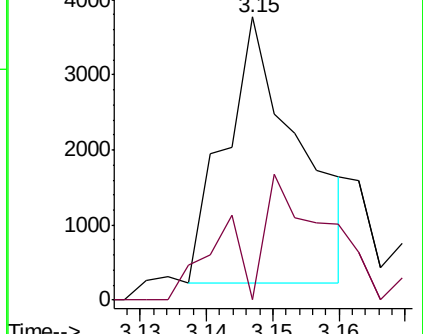
85 100

135 57.5 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): VL0



#9

Propene

Concen: 8.269 ppbv

RT: 2.97 min Scan# 57

Delta R.T. 0.00 min

Lab File: VL034874.D

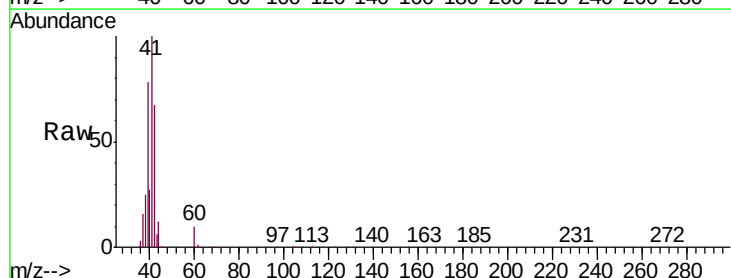
Acq: 10 Mar 2020 20:19

Tgt Ion: 41 Resp: 398143

Ion Ratio Lower Upper

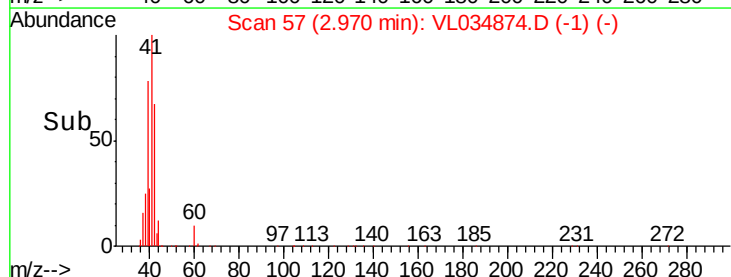
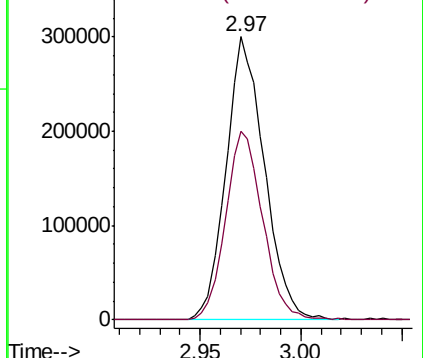
41 100

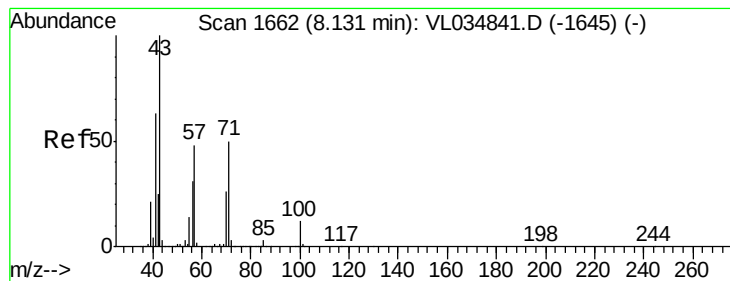
42 65.1 55.2 82.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

Concen: 0.248 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.00 min

Lab File: VL034874.D

Acq: 10 Mar 2020 20:19

Instrument :

MSVOA_L

ClientSampleId :

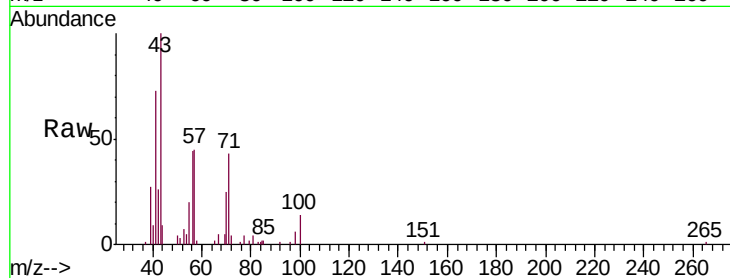
NS-2

Tgt Ion: 43 Resp: 29443

Ion Ratio Lower Upper

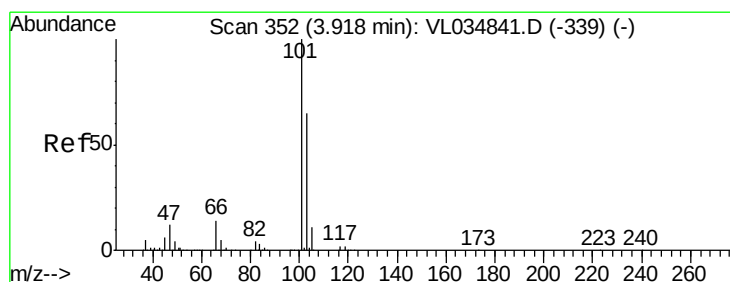
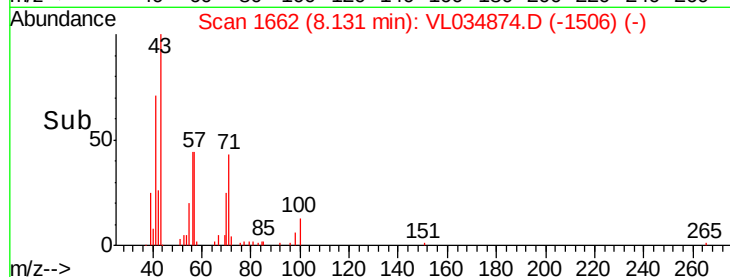
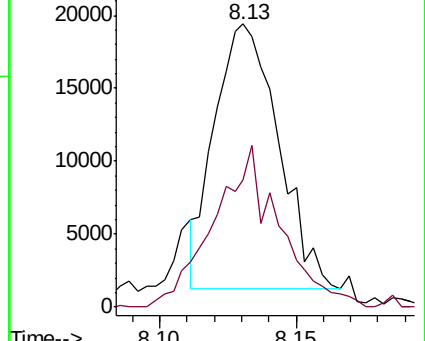
43 100

57 63.5 39.7 59.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#11

Trichlorofluoromethane

Concen: 0.229 ppbv

RT: 3.93 min Scan# 354

Delta R.T. 0.01 min

Lab File: VL034874.D

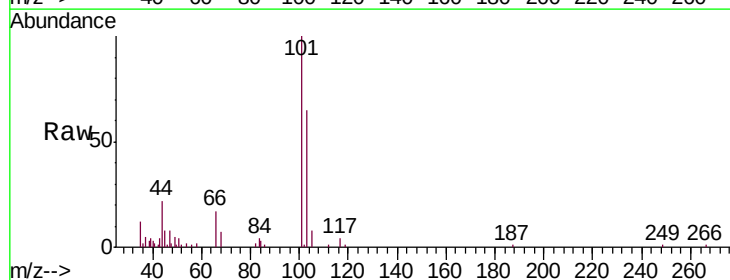
Acq: 10 Mar 2020 20:19

Tgt Ion: 101 Resp: 30145

Ion Ratio Lower Upper

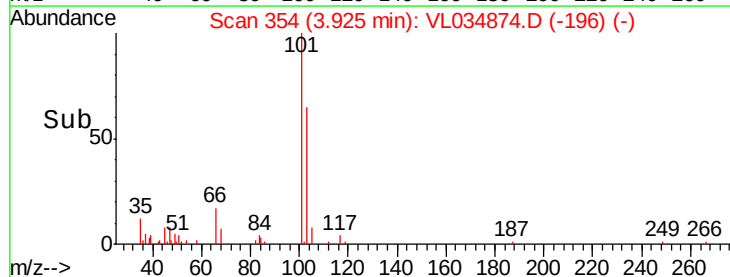
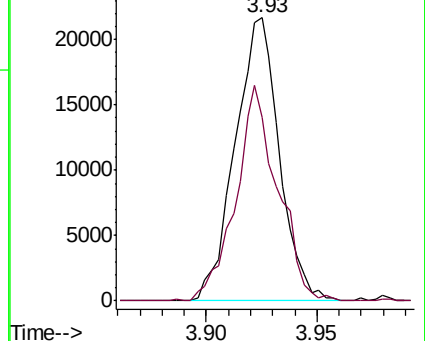
101 100

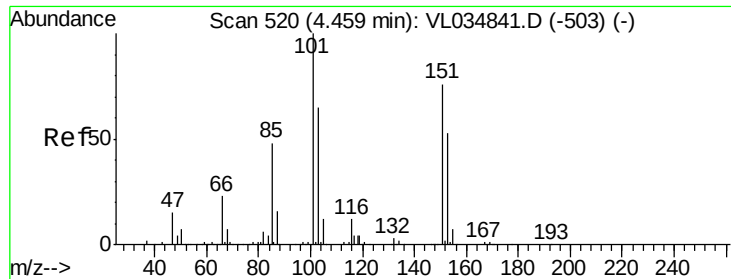
103 64.7 51.8 77.8



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: 0.028 ppbv

RT: 4.46 min Scan# 519

Delta R.T. -0.00 min

Lab File: VL034874.D

Acq: 10 Mar 2020 20:19

Instrument :

MSVOA_L

ClientSampleId :

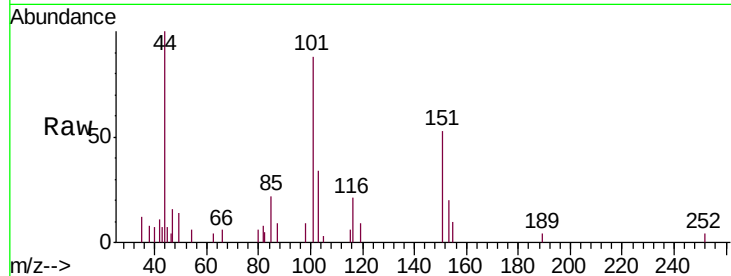
NS-2

Tgt Ion:101 Resp: 2589

Ion Ratio Lower Upper

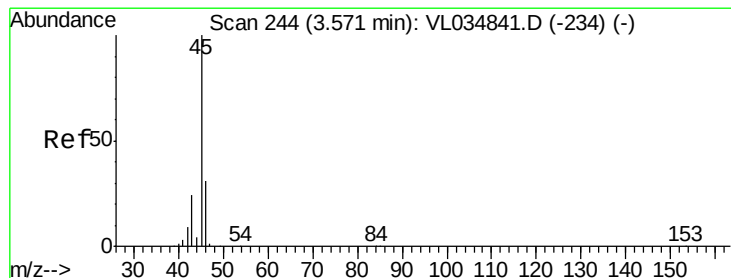
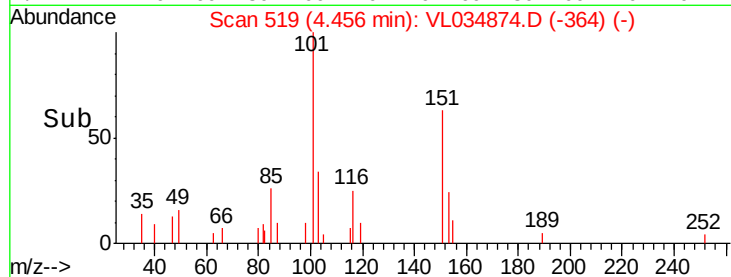
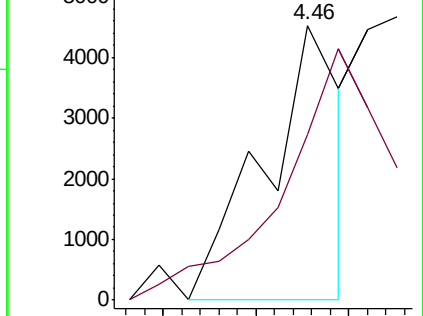
101 100

151 228.3 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: 186.201 ppbv

RT: 3.59 min Scan# 249

Delta R.T. 0.02 min

Lab File: VL034874.D

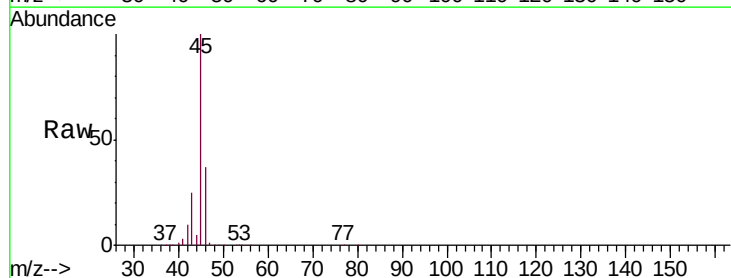
Acq: 10 Mar 2020 20:19

Tgt Ion: 45 Resp: 2725552

Ion Ratio Lower Upper

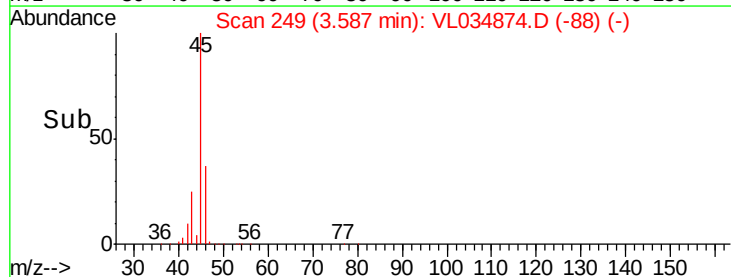
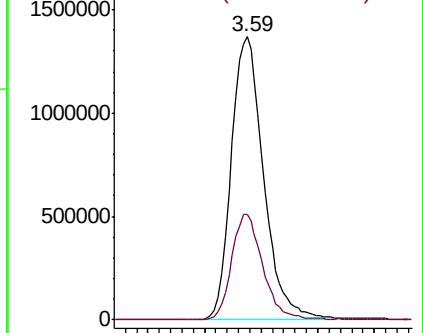
45 100

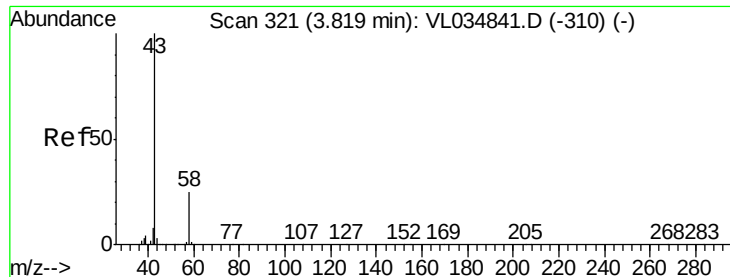
46 36.4 16.0 64.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 8.833 ppbv

RT: 3.82 min Scan# 321

Delta R.T. 0.00 min

Lab File: VL034874.D

Acq: 10 Mar 2020 20:19

Instrument :

MSVOA_L

ClientSampleId :

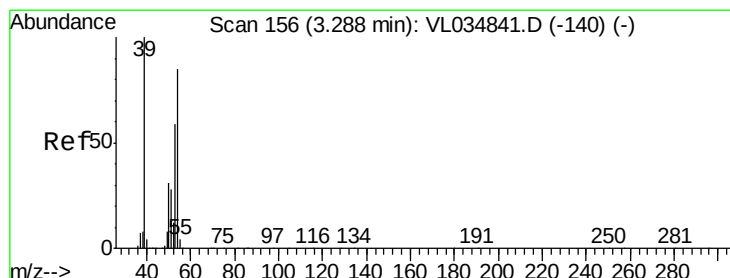
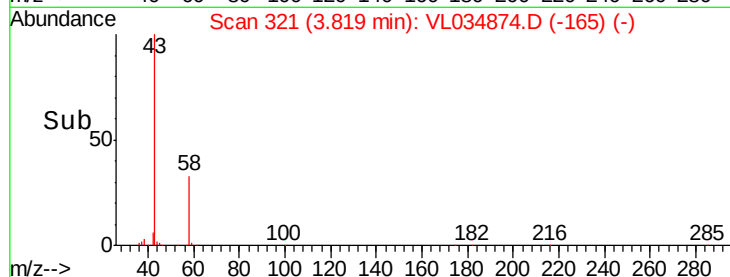
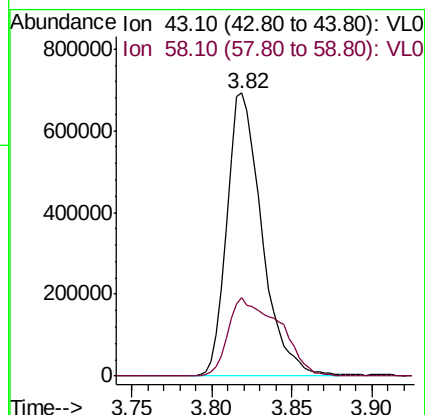
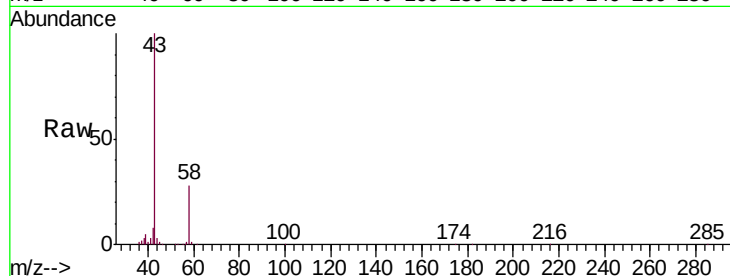
NS-2

Tgt Ion: 43 Resp: 1033490

Ion Ratio Lower Upper

43 100

58 40.8 21.0 31.6#



#16

1,3-Butadiene

Concen: 4.690 ppbv

RT: 3.28 min Scan# 152

Delta R.T. -0.01 min

Lab File: VL034874.D

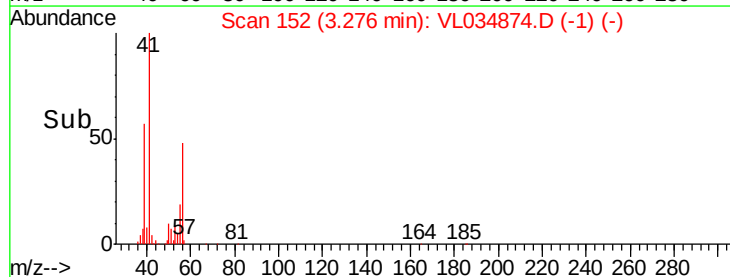
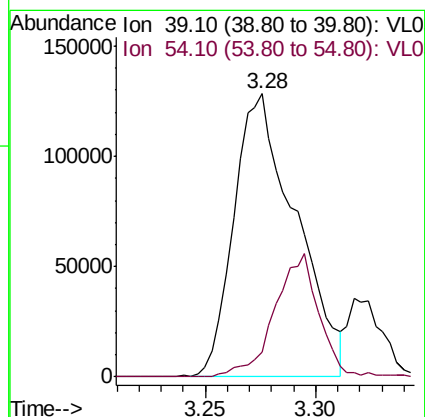
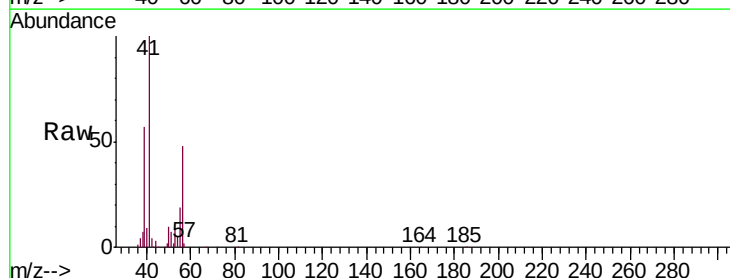
Acq: 10 Mar 2020 20:19

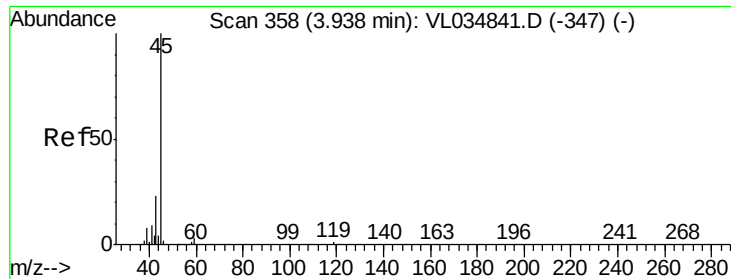
Tgt Ion: 39 Resp: 248139

Ion Ratio Lower Upper

39 100

54 31.5 65.0 97.6#





#19

Isopropyl Alcohol

Concen: 2.190 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.02 min

Lab File: VL034874.D

Acq: 10 Mar 2020 20:19

Instrument :

MSVOA_L

ClientSampleId :

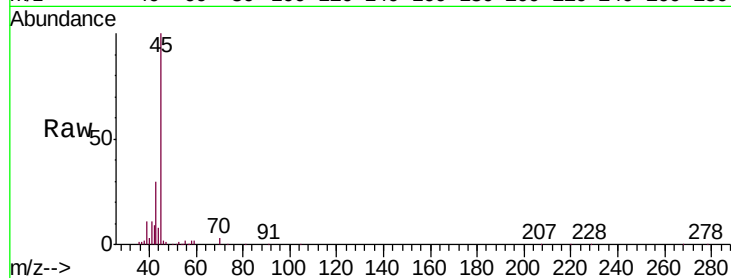
NS-2

Tgt Ion: 45 Resp: 161811

Ion Ratio Lower Upper

45 100

58 261.8 30.5 45.7#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.96

100000

80000

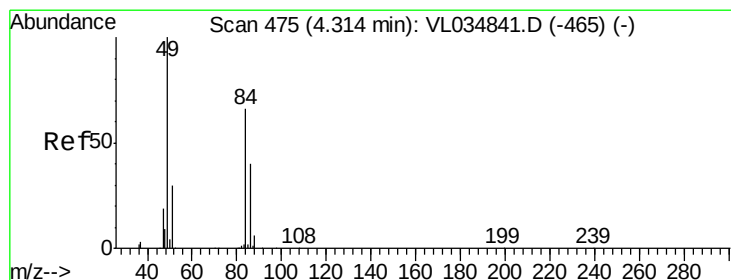
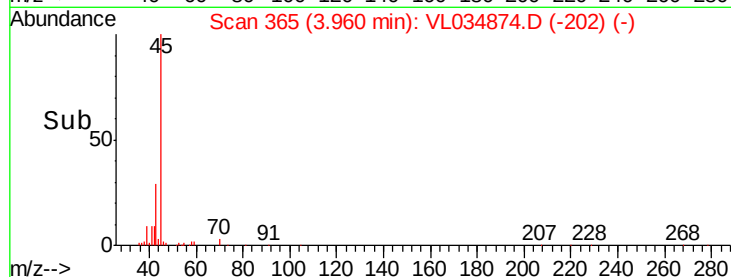
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 1.542 ppbv

RT: 4.32 min Scan# 478

Delta R.T. 0.01 min

Lab File: VL034874.D

Acq: 10 Mar 2020 20:19

Tgt Ion: 84 Resp: 57032

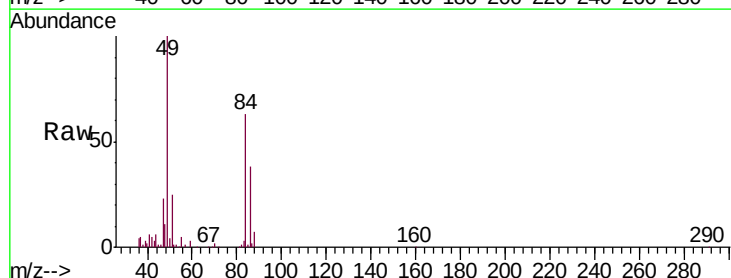
Ion Ratio Lower Upper

84 100

49 157.7 121.5 182.3

51 39.1 36.6 55.0

86 63.5 48.2 72.2



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

100000

80000

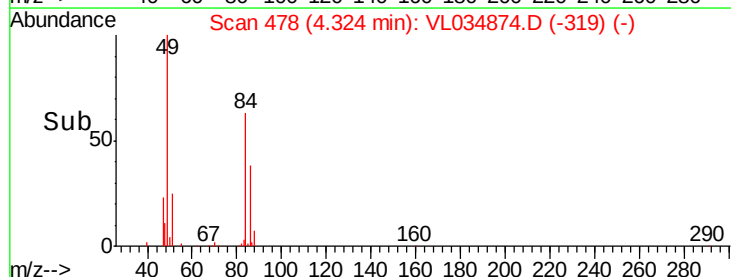
60000

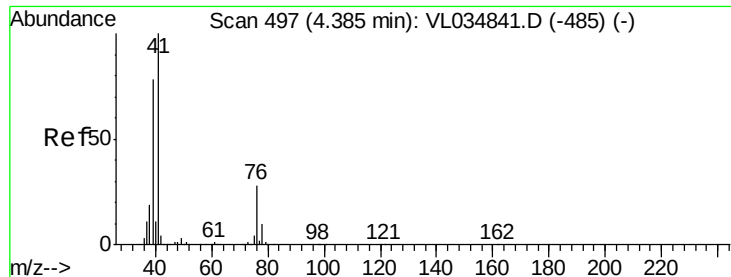
40000

20000

0

Time-->

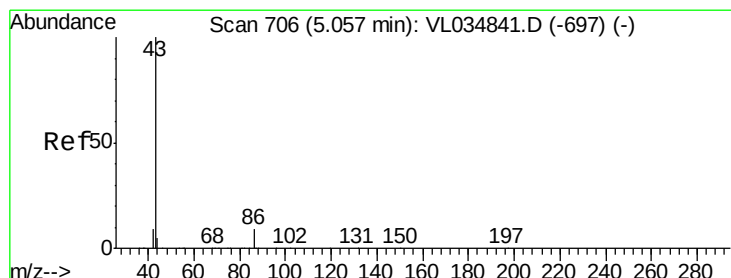
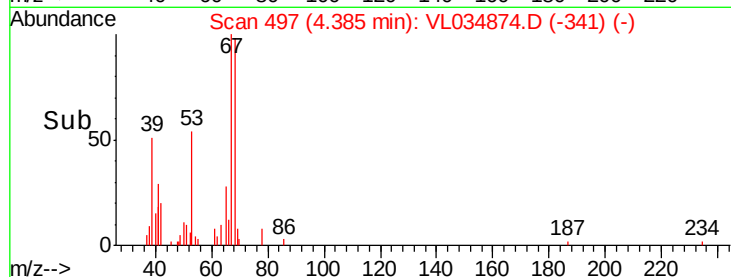
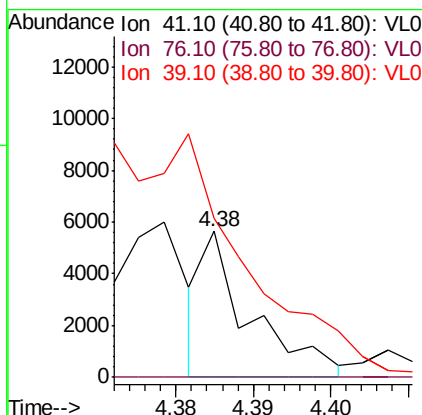
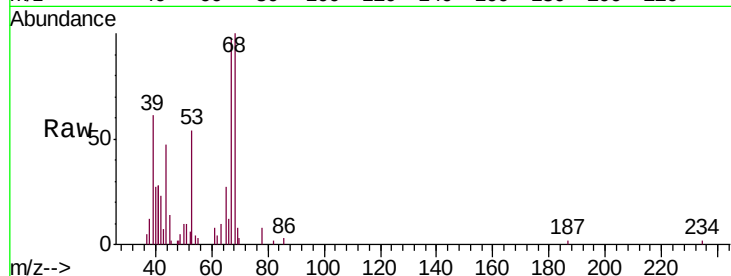




#21
 Allyl Chloride
 Concen: 0.032 ppbv
 RT: 4.38 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VL034874.D
 Acq: 10 Mar 2020 20:19

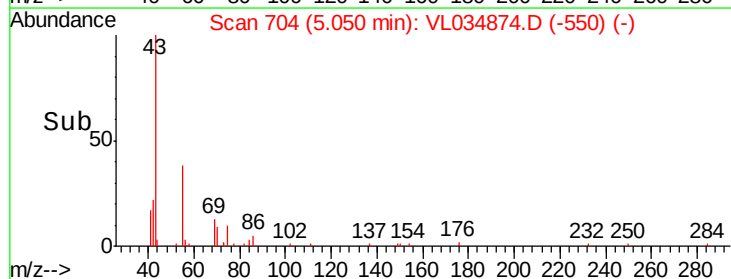
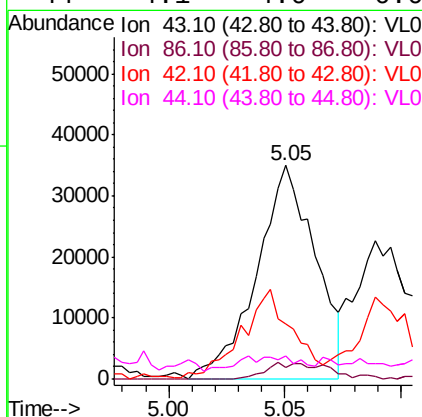
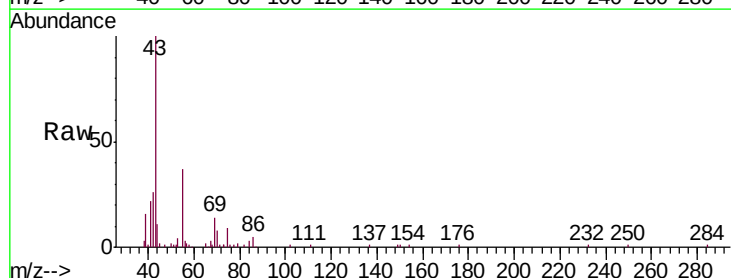
Instrument :
 MSVOA_L
 ClientSampleId :
 NS-2

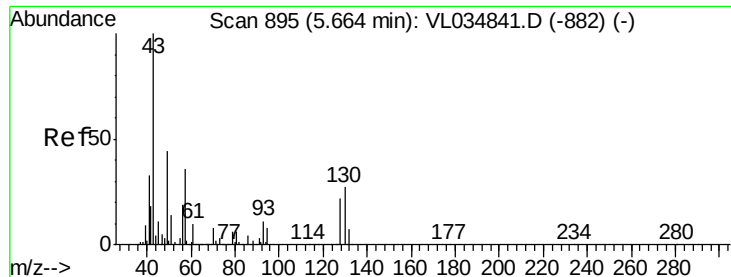
Tgt Ion: 41 Resp: 2417
 Ion Ratio Lower Upper
 41 100
 76 0.0 22.2 33.2#
 39 1134.0 62.6 93.8#



#23
 Vinyl Acetate
 Concen: 0.356 ppbv
 RT: 5.05 min Scan# 704
 Delta R.T. -0.01 min
 Lab File: VL034874.D
 Acq: 10 Mar 2020 20:19

Tgt Ion: 43 Resp: 61519
 Ion Ratio Lower Upper
 43 100
 86 5.3 6.3 9.5#
 42 22.6 7.8 11.8#
 44 4.1 4.0 6.0

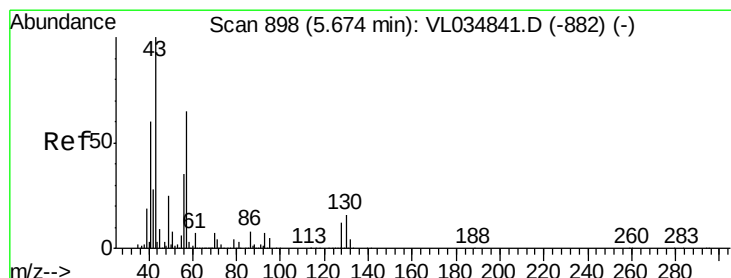
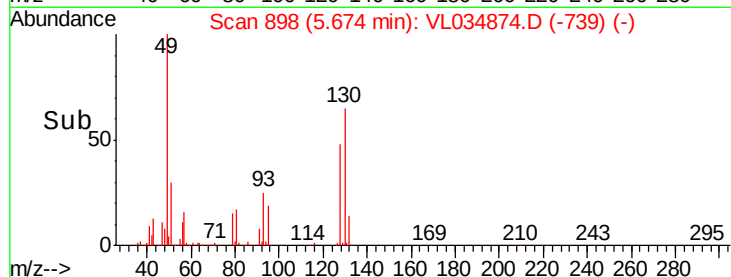
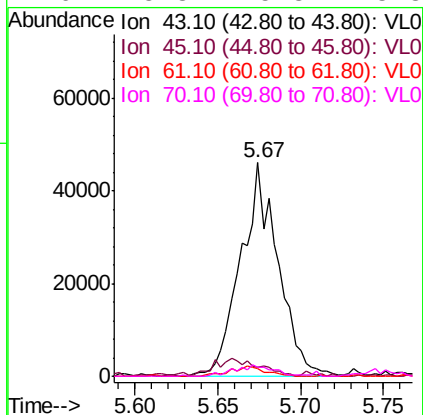
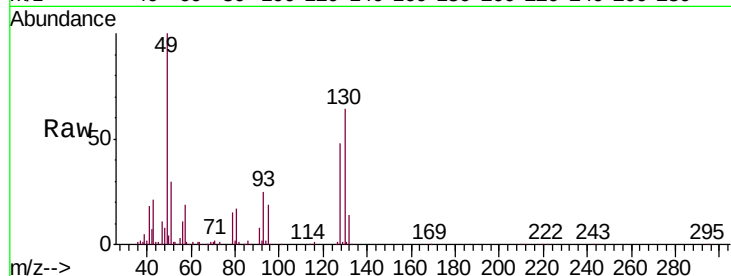




#25
Ethyl Acetate
Concen: 0.345 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL034874.D
Acq: 10 Mar 2020 20:19

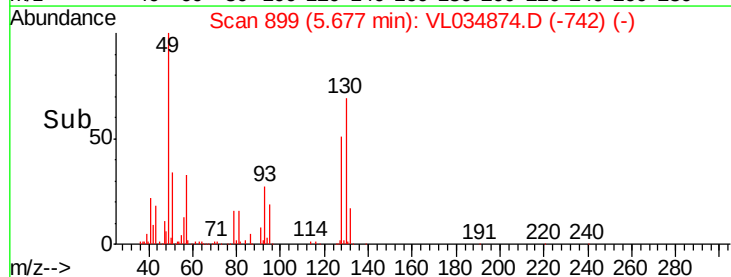
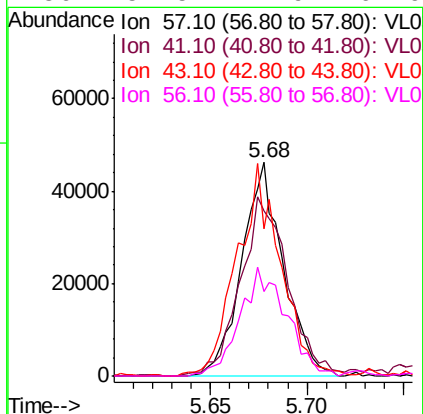
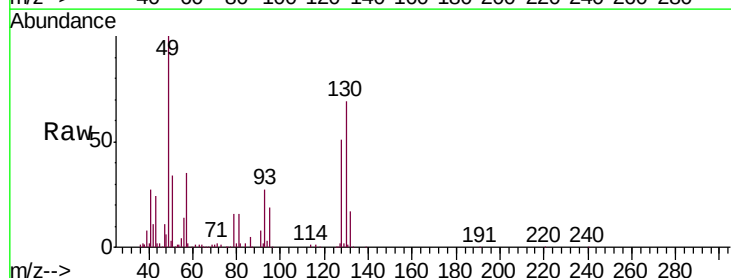
Instrument :
MSVOA_L
ClientSampleId :
NS-2

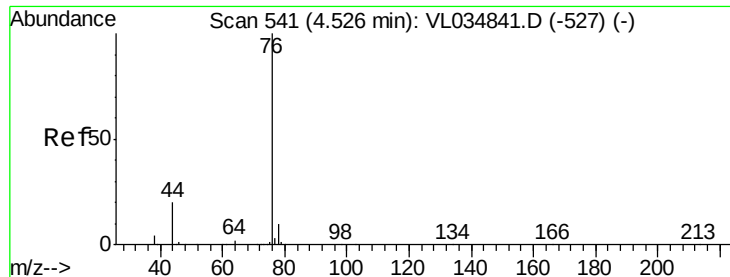
Tgt Ion:	43	Resp:	71846
Ion	Ratio	Lower	Upper
43	100		
45	11.9	8.2	12.2
61	4.5	7.8	11.6#
70	5.8	5.8	8.8#



#26
Hexane
Concen: 0.770 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.00 min
Lab File: VL034874.D
Acq: 10 Mar 2020 20:19

Tgt Ion:	57	Resp:	69080
Ion	Ratio	Lower	Upper
57	100		
41	97.9	72.6	109.0
43	104.0	183.8	275.6#
56	57.5	41.9	62.9

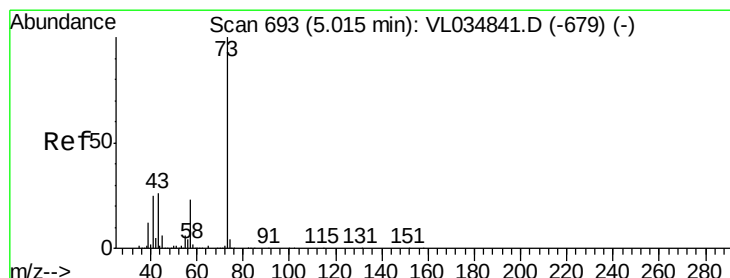
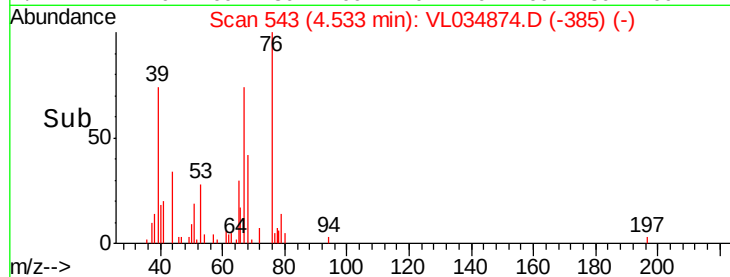
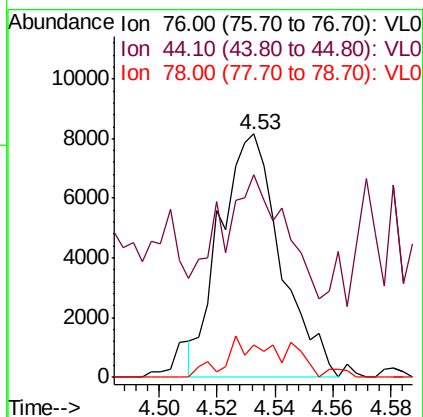
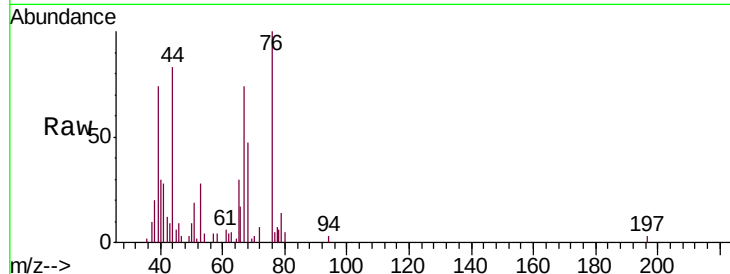




#27
Carbon Disulfide
Concen: 0.116 ppbv
RT: 4.53 min Scan# 543
Delta R.T. 0.01 min
Lab File: VL034874.D
Acq: 10 Mar 2020 20:19

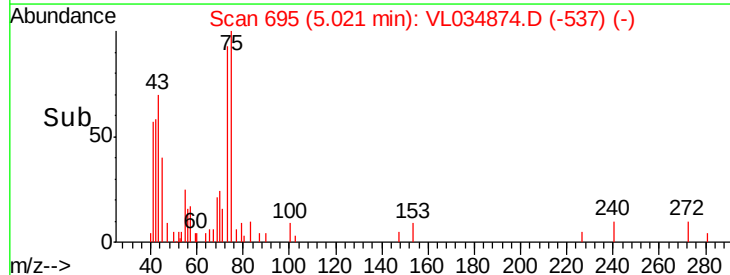
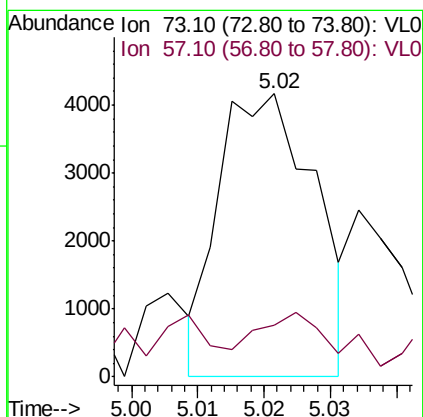
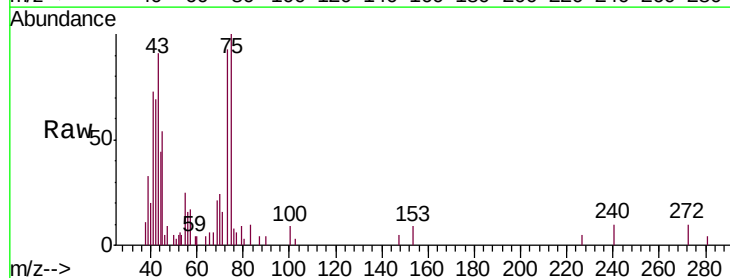
Instrument :
MSVOA_L
ClientSampleId :
NS-2

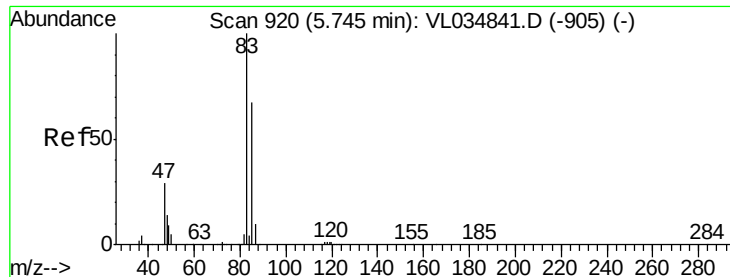
Tgt Ion: 76 Resp: 11843
Ion Ratio Lower Upper
76 100
44 62.8 16.2 24.2#
78 16.8 7.8 11.6#



#28
Methyl tert-Butyl Ether
Concen: 0.028 ppbv
RT: 5.02 min Scan# 695
Delta R.T. 0.01 min
Lab File: VL034874.D
Acq: 10 Mar 2020 20:19

Tgt Ion: 73 Resp: 4201
Ion Ratio Lower Upper
73 100
57 48.8 18.3 27.5#

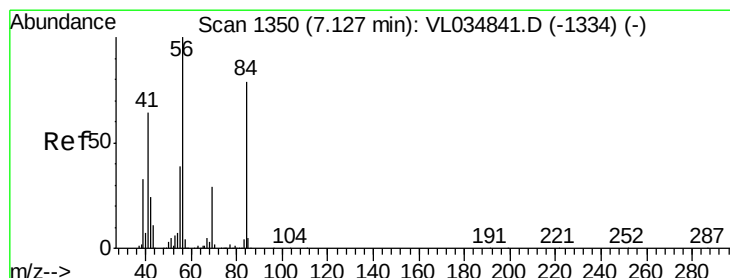
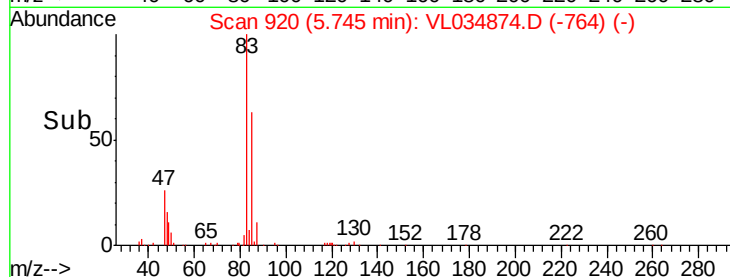
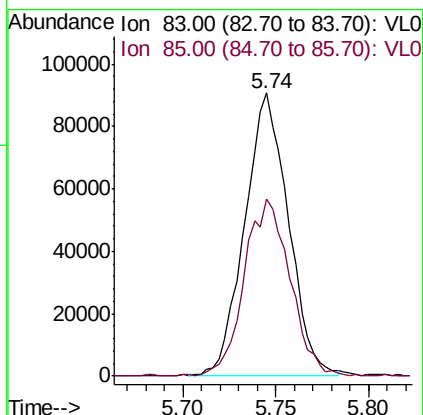
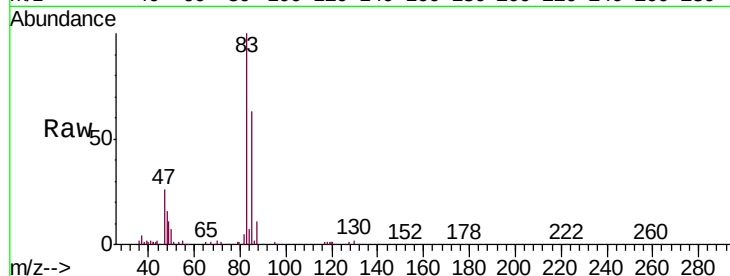




#29
Chloroform
Concen: 1.081 ppbv
RT: 5.74 min Scan# 920
Delta R.T. 0.00 min
Lab File: VL034874.D
Acq: 10 Mar 2020 20:19

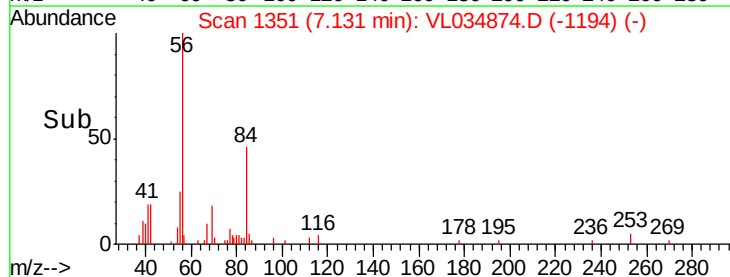
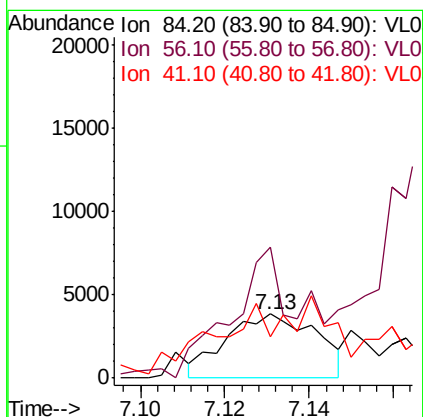
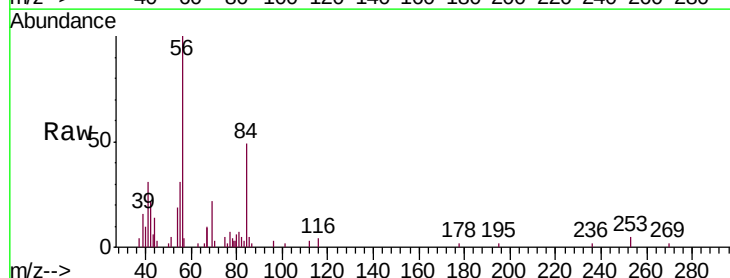
Instrument :
MSVOA_L
ClientSampleId :
NS-2

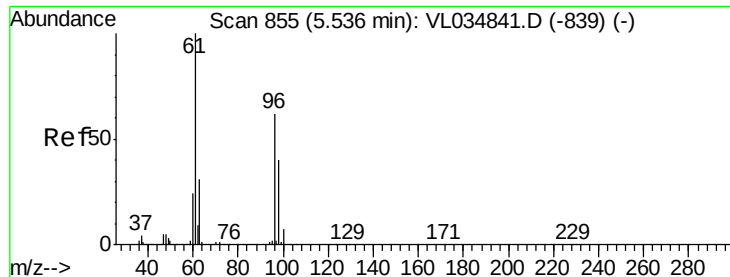
Tgt Ion: 83 Resp: 148093
Ion Ratio Lower Upper
83 100
85 62.4 53.8 80.6



#30
Cyclohexane
Concen: 0.077 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. 0.00 min
Lab File: VL034874.D
Acq: 10 Mar 2020 20:19

Tgt Ion: 84 Resp: 5754
Ion Ratio Lower Upper
84 100
56 0.0 110.5 165.7#
41 0.0 68.2 102.4#



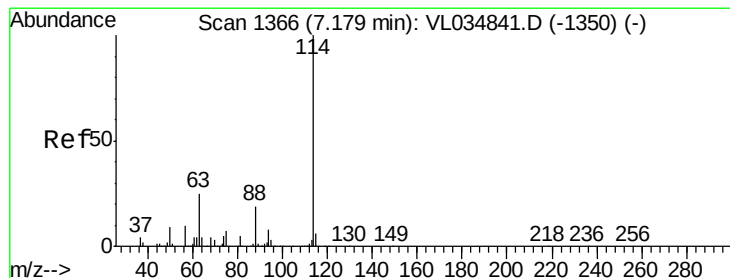
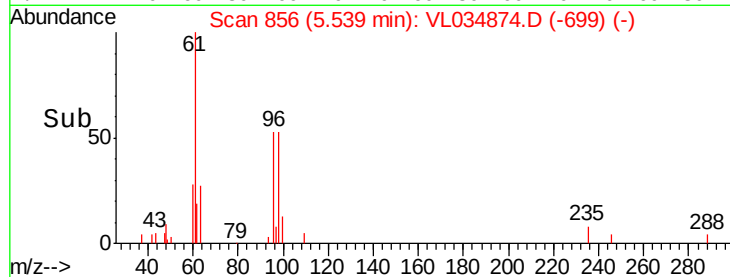
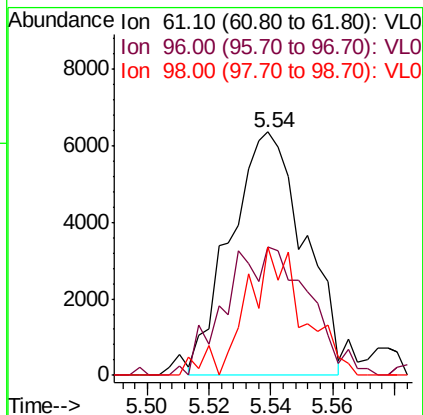
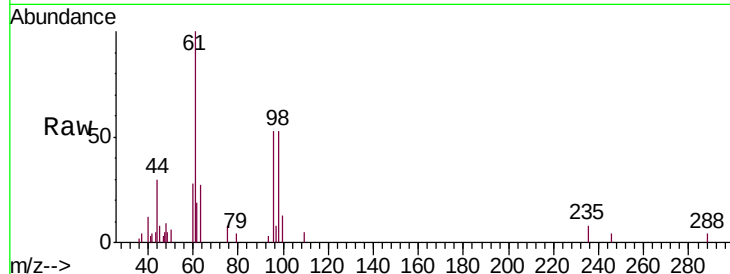


#31

cis-1,2-Dichloroethene
 Concen: 0.115 ppbv
 RT: 5.54 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VL034874.D
 Acq: 10 Mar 2020 20:19

Instrument :
 MSVOA_L
 ClientSampleId :
 NS-2

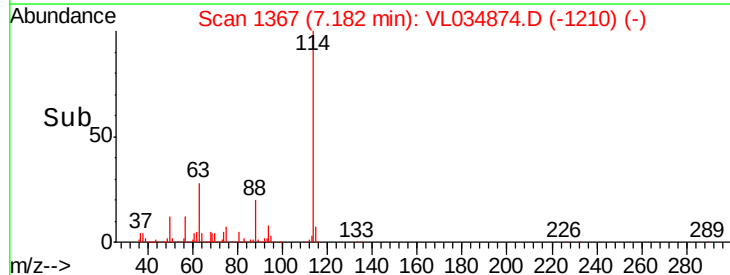
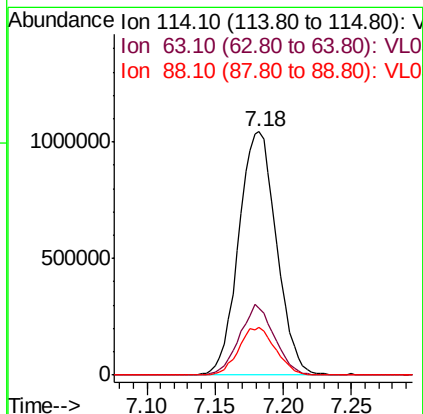
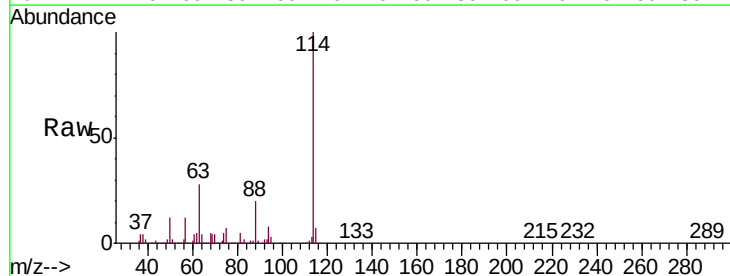
Tgt Ion	Ratio	Lower	Upper
61	100		
96	45.7	49.8	74.8#
98	39.3	32.2	48.4

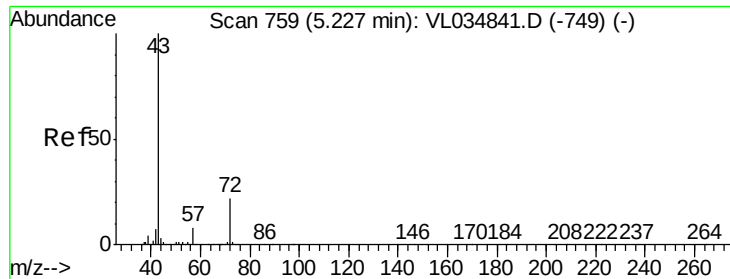


#33

1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VL034874.D
 Acq: 10 Mar 2020 20:19

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.7	20.6	31.0
88	19.1	15.0	22.6

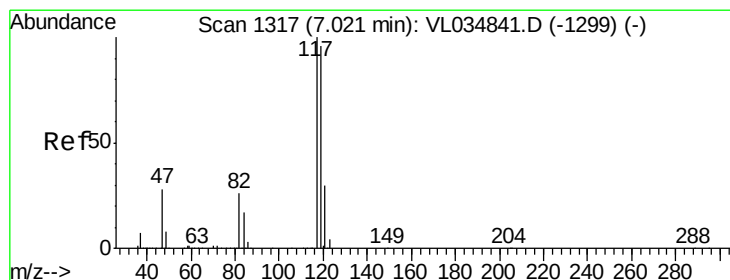
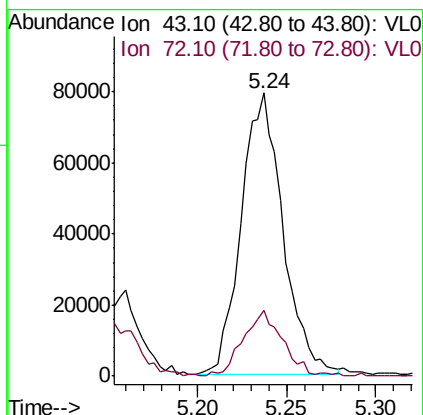
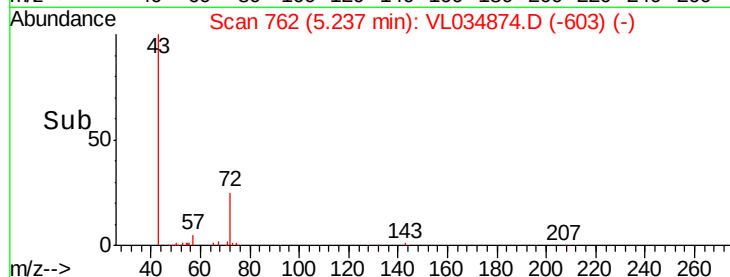
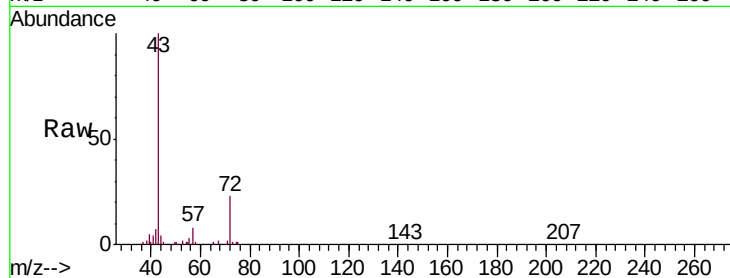




#34
2-Butanone
Concen: 0.965 ppbv
RT: 5.24 min Scan# 762
Delta R.T. 0.01 min
Lab File: VL034874.D
Acq: 10 Mar 2020 20:19

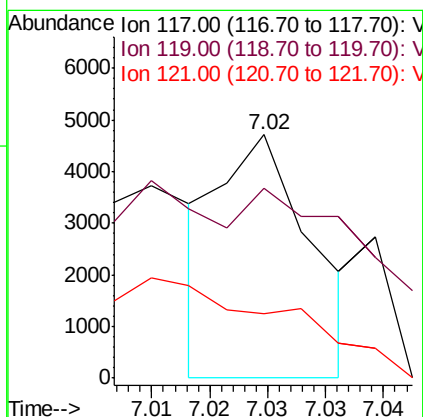
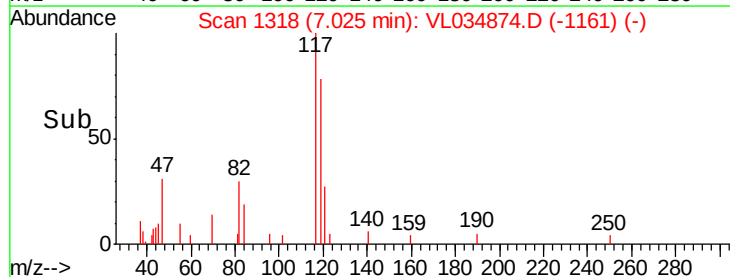
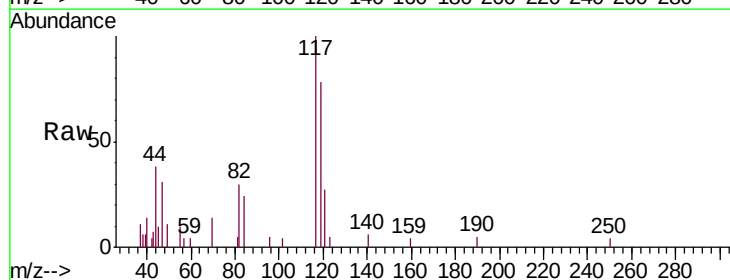
Instrument :
MSVOA_L
ClientSampleId :
NS-2

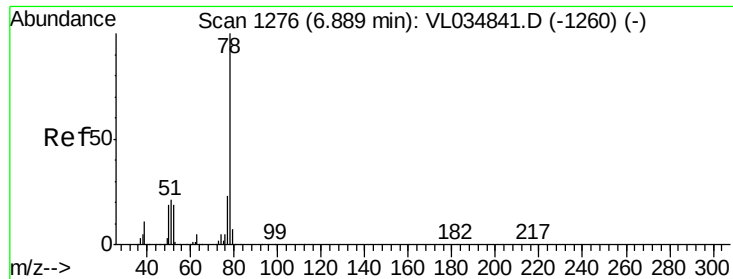
Tgt Ion: 43 Resp: 128604
Ion Ratio Lower Upper
43 100
72 22.6 17.6 26.4



#35
Carbon Tetrachloride
Concen: 0.021 ppbv
RT: 7.02 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VL034874.D
Acq: 10 Mar 2020 20:19

Tgt Ion: 117 Resp: 2584
Ion Ratio Lower Upper
117 100
119 20.9 77.0 115.4#
121 22.1 24.0 36.0#





#36

Benzene

Concen: 0.658 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. 0.01 min

Lab File: VL034874.D

Acq: 10 Mar 2020 20:19

Instrument :

MSVOA_L

ClientSampleId :

NS-2

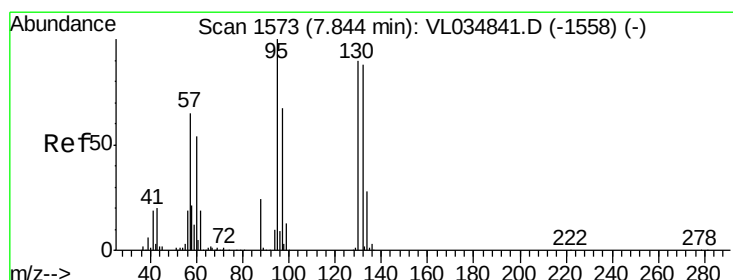
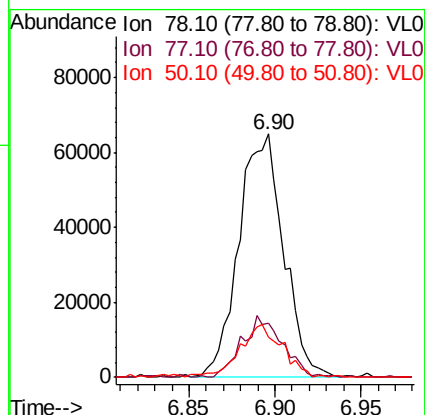
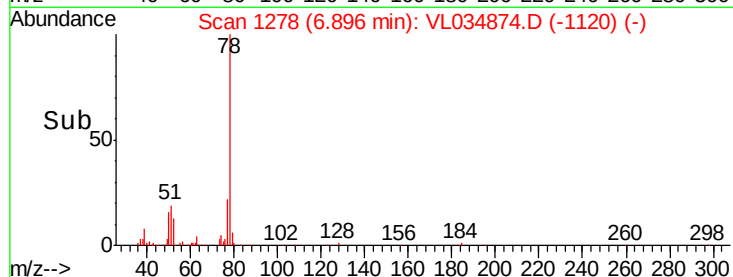
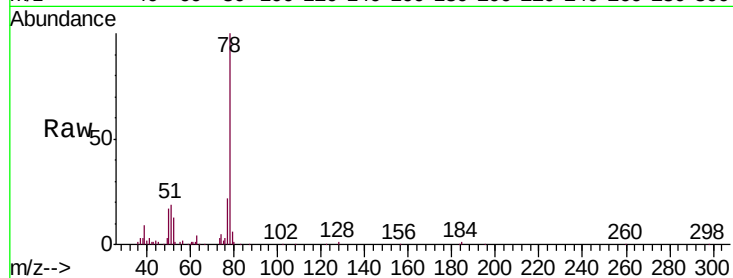
Tgt Ion: 78 Resp: 117643

Ion Ratio Lower Upper

78 100

77 22.5 18.2 27.2

50 16.2 15.2 22.8



#38

Trichloroethene

Concen: 0.058 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VL034874.D

Acq: 10 Mar 2020 20:19

Tgt Ion: 130 Resp: 3943

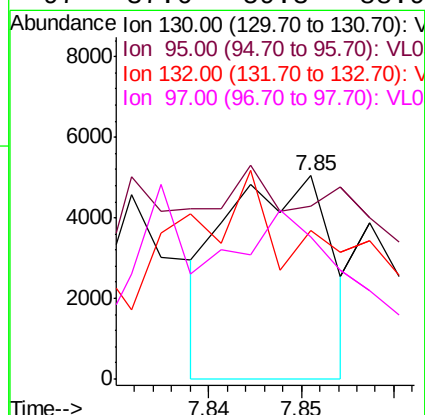
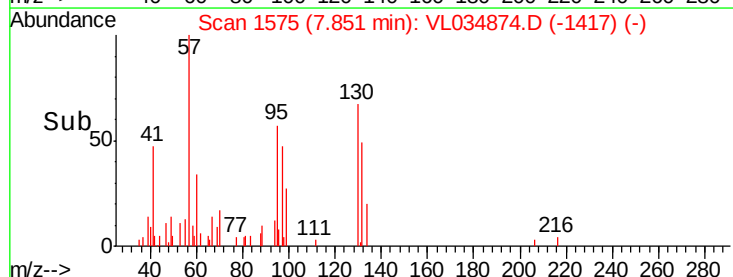
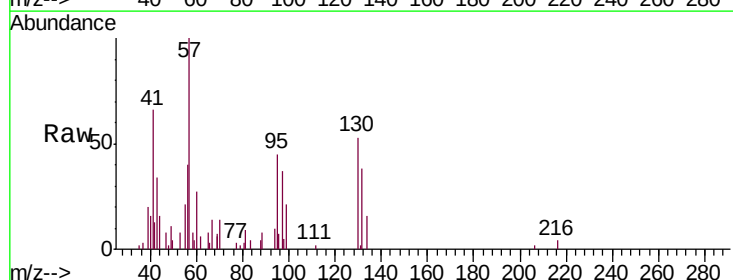
Ion Ratio Lower Upper

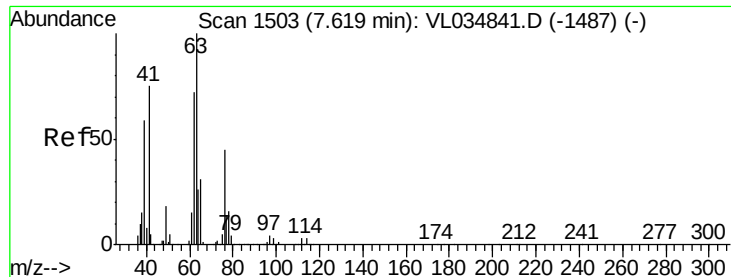
130 100

95 28.4 88.5 132.7#

132 21.7 78.0 117.0#

97 37.6 59.3 88.9#





#39

1,2-Dichloropropane

Concen: 7.533 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.44 min

Lab File: VL034874.D

Acq: 10 Mar 2020 20:19

Instrument :

MSVOA_L

ClientSampleId :

NS-2

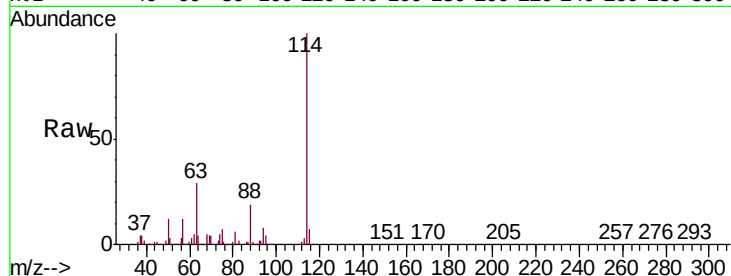
Tgt Ion: 63 Resp: 533467

Ion Ratio Lower Upper

63 100

41 0.0 59.8 89.8#

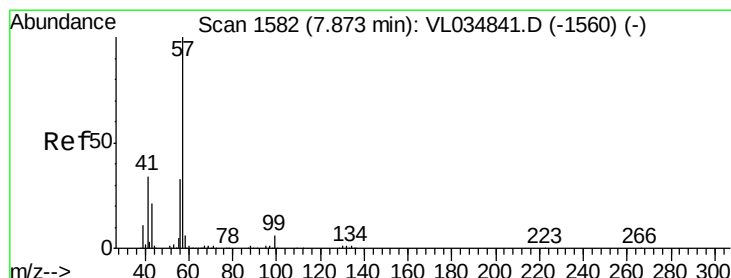
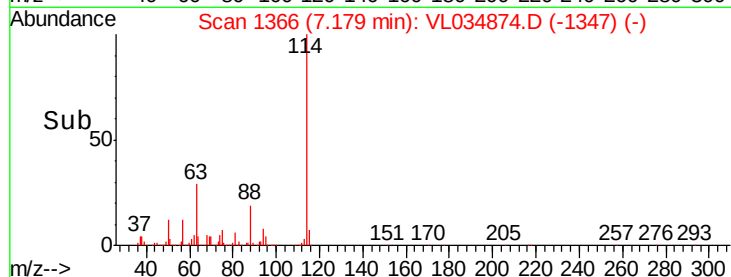
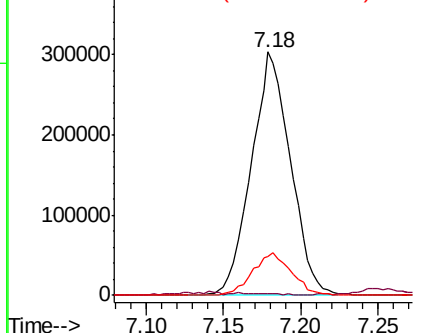
62 15.9 57.6 86.4#



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



#44

2,2,4-Trimethylpentane

Concen: 0.250 ppbv

RT: 7.88 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VL034874.D

Acq: 10 Mar 2020 20:19

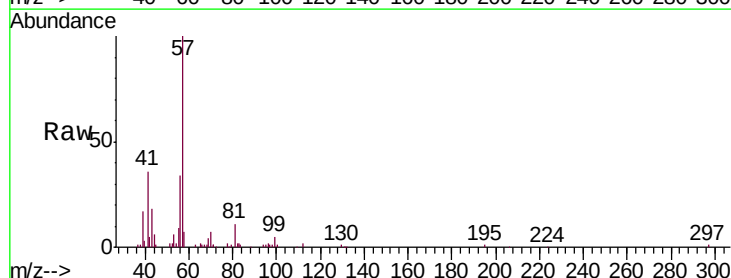
Tgt Ion: 57 Resp: 75532

Ion Ratio Lower Upper

57 100

41 49.5 26.2 39.4#

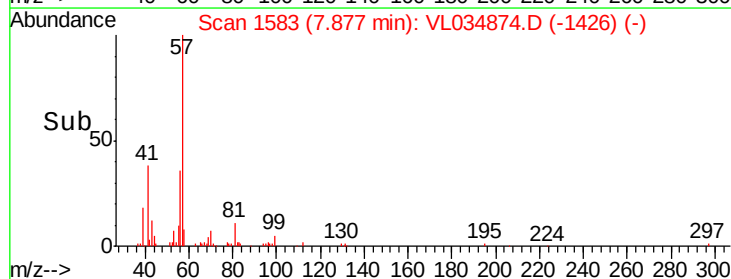
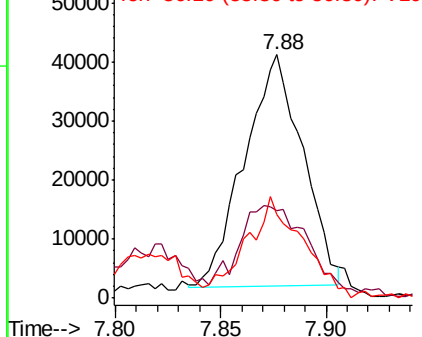
56 44.2 25.0 37.4#

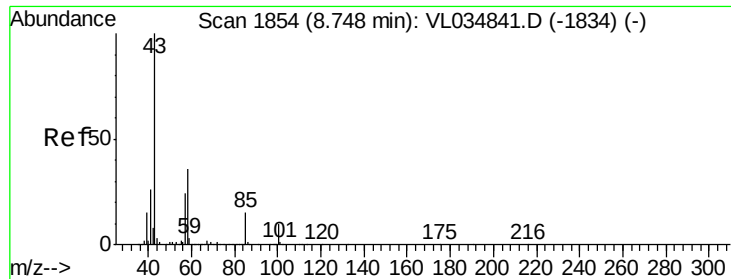


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

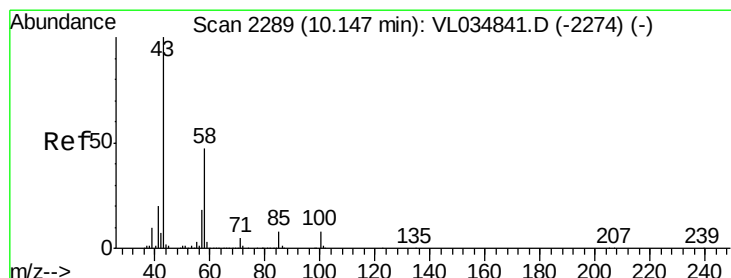
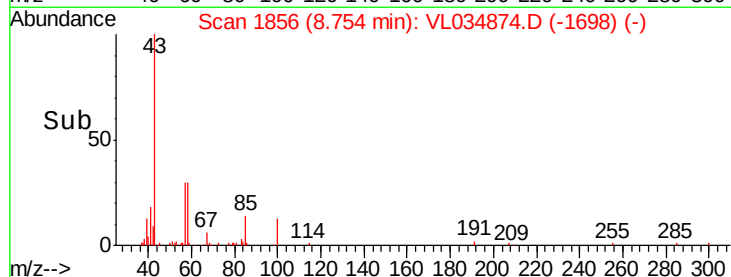
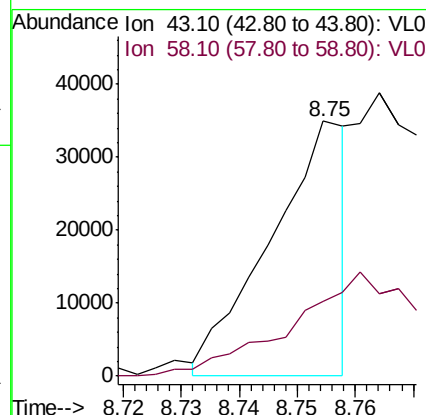
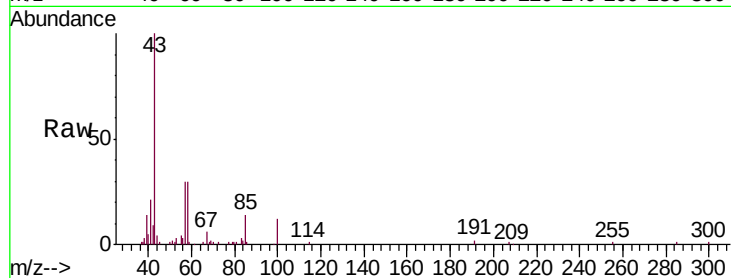




#50
 4-Methyl-2-Pentanone
 Concen: 0.166 ppbv
 RT: 8.75 min Scan# 1856
 Delta R.T. 0.01 min
 Lab File: VL034874.D
 Acq: 10 Mar 2020 20:19

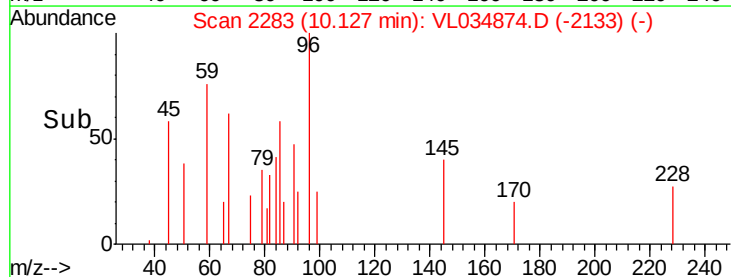
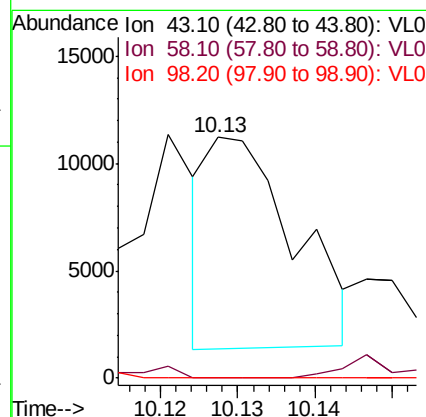
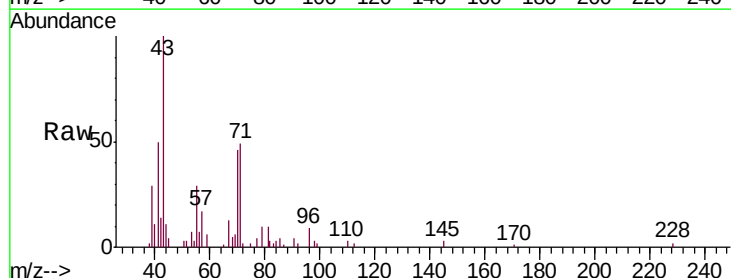
Instrument :
 MSVOA_L
 ClientSampleId :
 NS-2

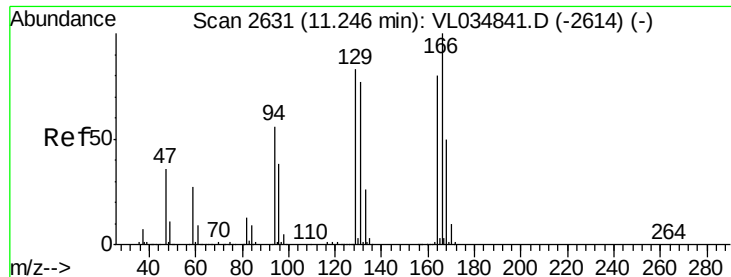
Tgt Ion: 43 Resp: 31842
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.6 42.8#



#51
 2-Hexanone
 Concen: 0.049 ppbv
 RT: 10.13 min Scan# 2283
 Delta R.T. -0.02 min
 Lab File: VL034874.D
 Acq: 10 Mar 2020 20:19

Tgt Ion: 43 Resp: 7618
 Ion Ratio Lower Upper
 43 100
 58 36.1 38.6 58.0#
 98 0.0 0.1 0.1#





#52

Tetrachloroethene

Concen: 0.432 ppbv

RT: 11.25 min Scan# 2633

Delta R.T. 0.01 min

Lab File: VL034874.D

Acq: 10 Mar 2020 20:19

Instrument :

MSVOA_L

ClientSampleId :

NS-2

Tgt Ion:164 Resp: 30547

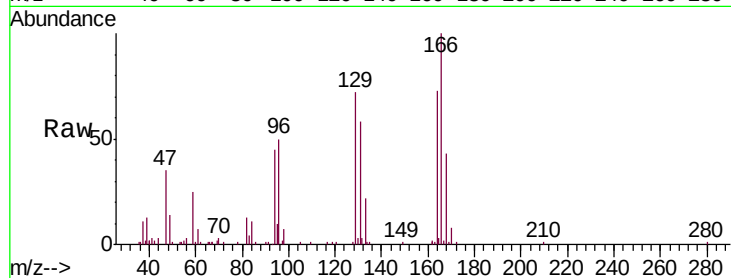
Ion Ratio Lower Upper

164 100

166 137.3 100.0 150.0

129 99.6 83.1 124.7

131 82.7 77.2 115.8

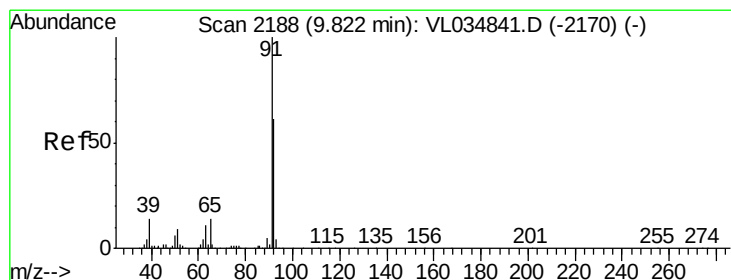
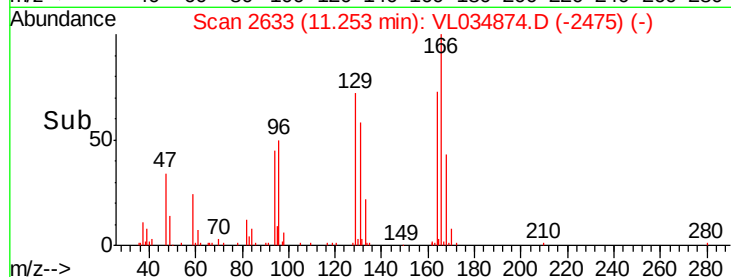
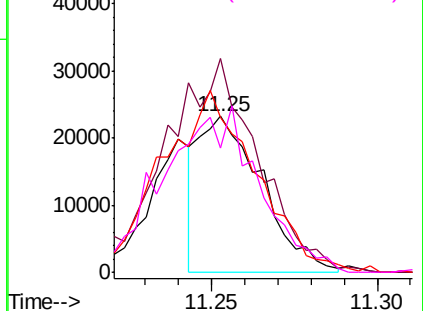


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.387 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. 0.00 min

Lab File: VL034874.D

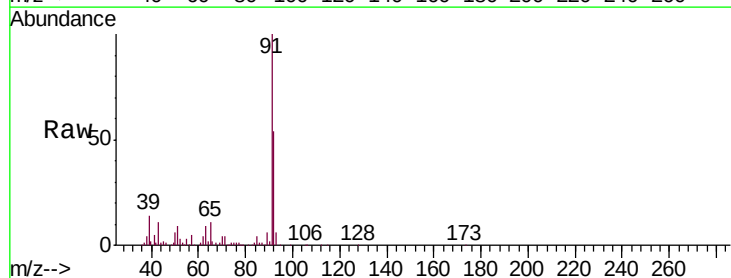
Acq: 10 Mar 2020 20:19

Tgt Ion: 91 Resp: 286321

Ion Ratio Lower Upper

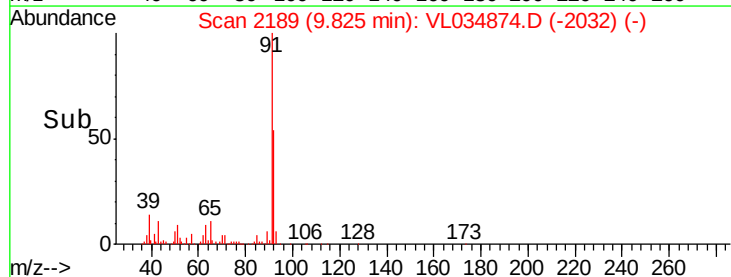
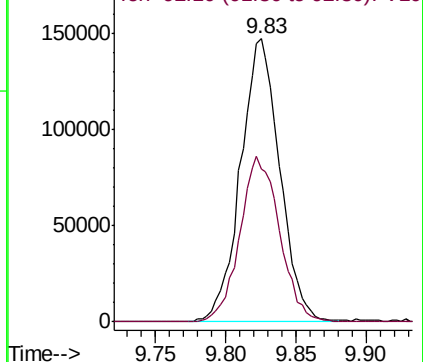
91 100

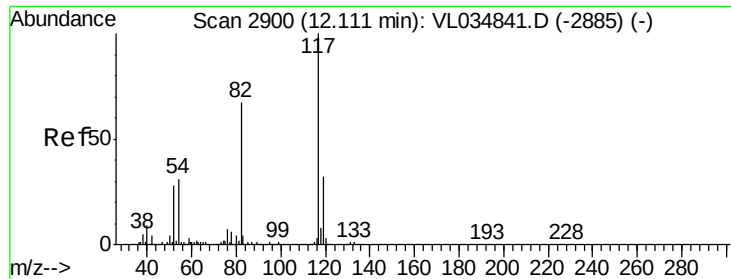
92 59.1 48.6 72.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

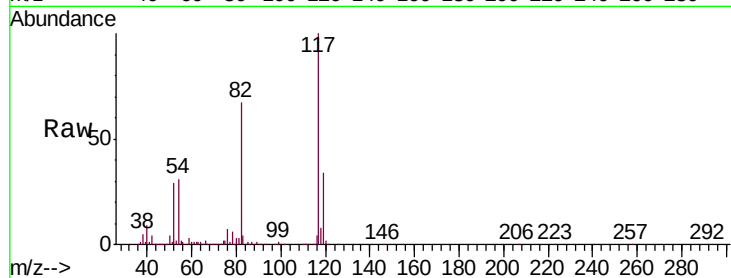




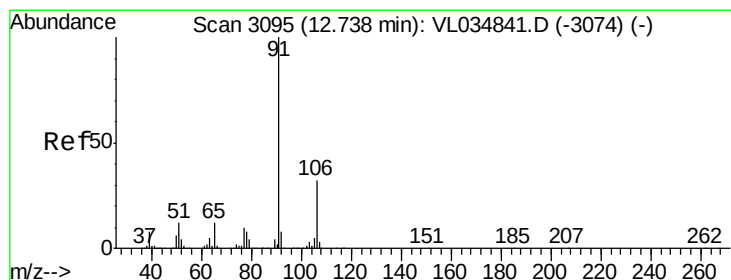
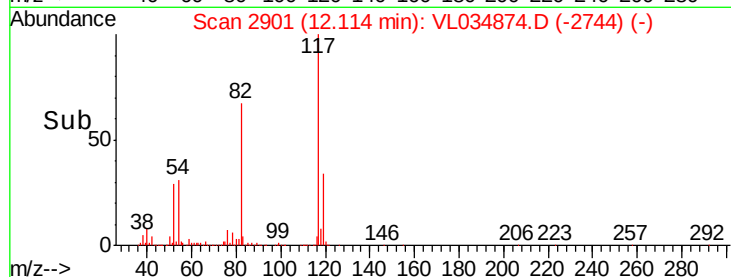
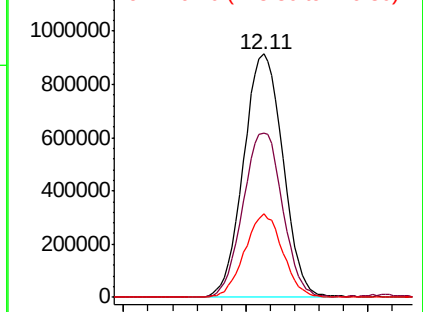
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. 0.00 min
Lab File: VL034874.D
Acq: 10 Mar 2020 20:19

Instrument :
MSVOA_L
ClientSampleId :
NS-2

Tgt Ion: 117 Resp: 2042239
Ion Ratio Lower Upper
117 100
82 68.0 51.1 76.7
119 33.1 27.3 40.9

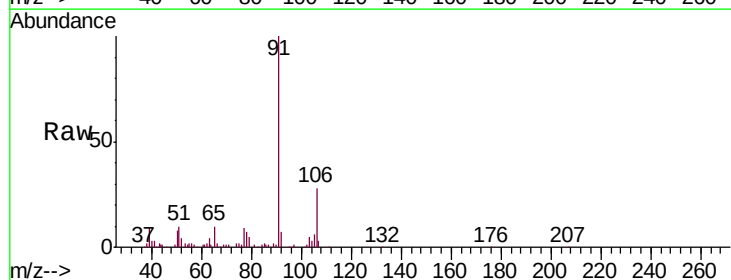


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

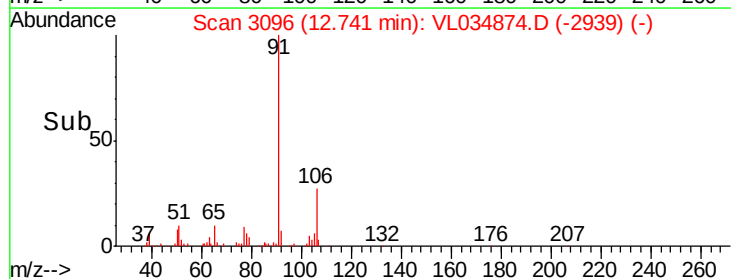
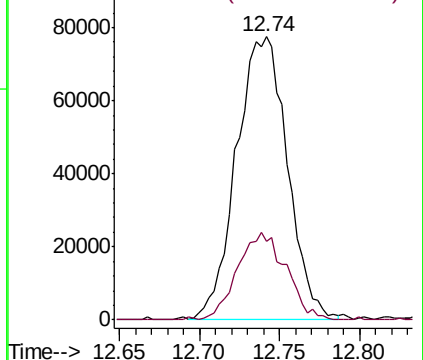


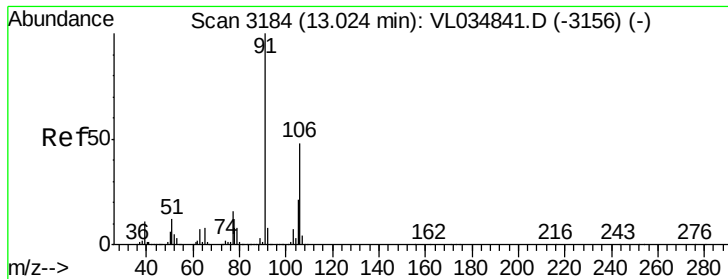
#58
Ethyl Benzene
Concen: 0.605 ppbv
RT: 12.74 min Scan# 3096
Delta R.T. 0.00 min
Lab File: VL034874.D
Acq: 10 Mar 2020 20:19

Tgt Ion: 91 Resp: 167242
Ion Ratio Lower Upper
91 100
106 27.5 25.8 38.6



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

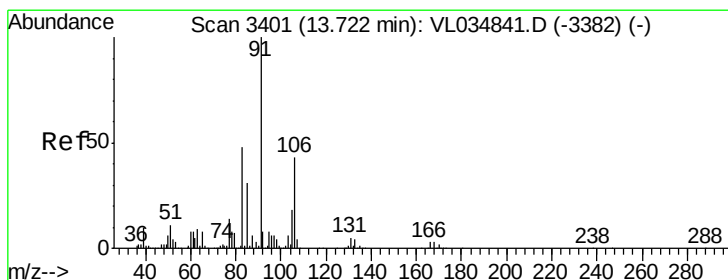
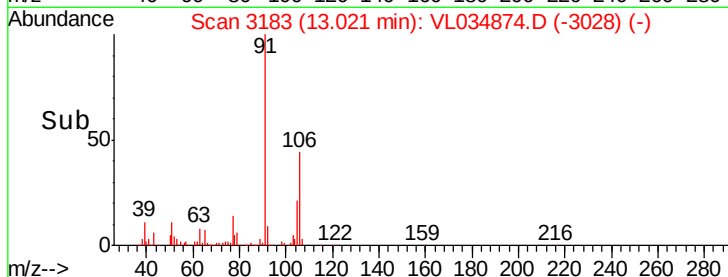
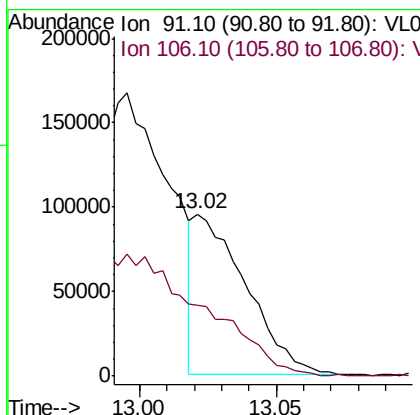
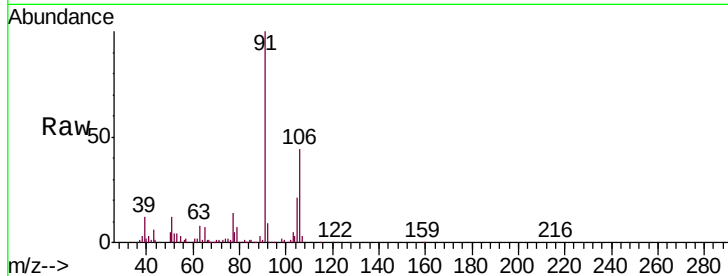




#59
m/p-Xylene
Concen: 0.535 ppbv
RT: 13.02 min Scan# 3183
Delta R.T. -0.00 min
Lab File: VL034874.D
Acq: 10 Mar 2020 20:19

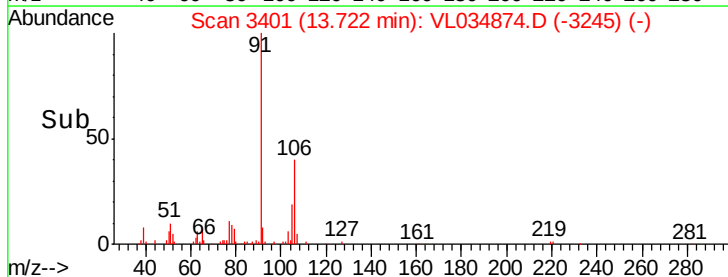
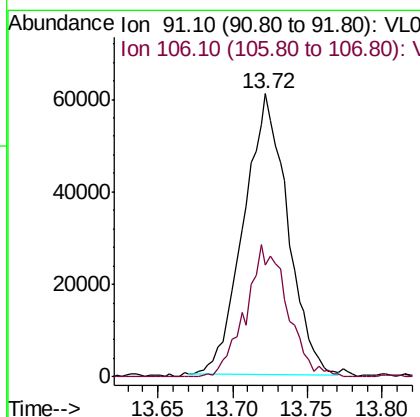
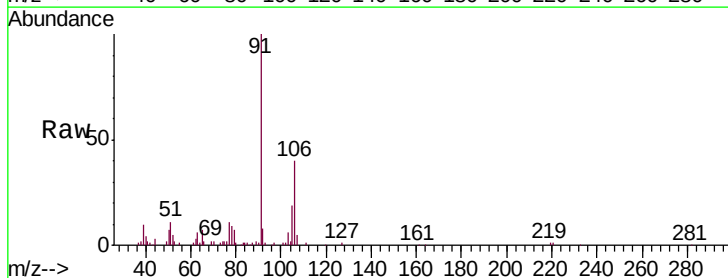
Instrument :
MSVOA_L
ClientSampled :
NS-2

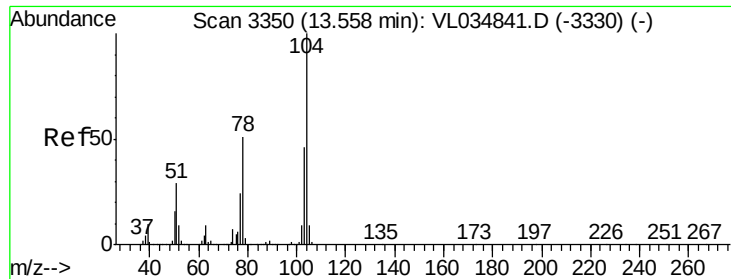
Tgt Ion: 91 Resp: 124006
Ion Ratio Lower Upper
91 100
106 0.0 37.1 55.7#



#60
o-Xylene
Concen: 0.549 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. 0.00 min
Lab File: VL034874.D
Acq: 10 Mar 2020 20:19

Tgt Ion: 91 Resp: 124287
Ion Ratio Lower Upper
91 100
106 44.6 22.5 67.5





#61

Styrene

Concen: 0.015 ppbv

RT: 13.56 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VL034874.D

Acq: 10 Mar 2020 20:19

Instrument :

MSVOA_L

ClientSampled :

NS-2

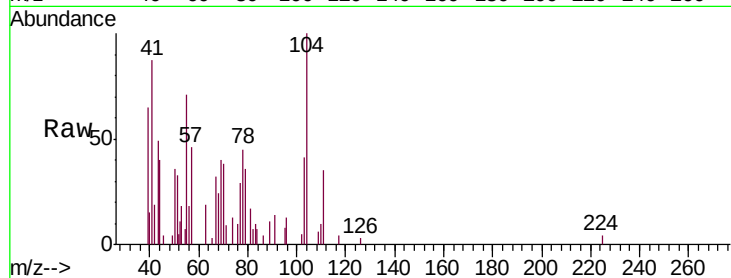
Tgt Ion:104 Resp: 2444

Ion Ratio Lower Upper

104 100

78 0.0 41.8 62.6#

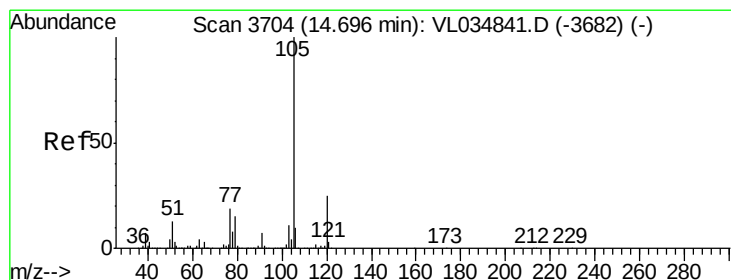
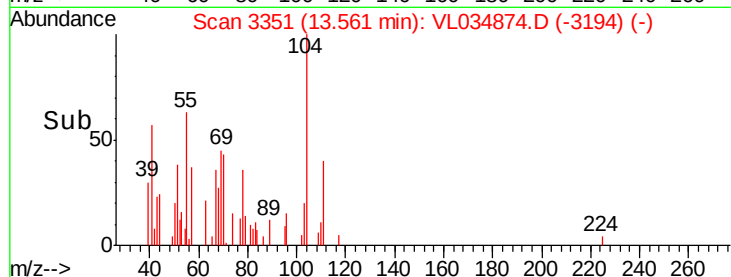
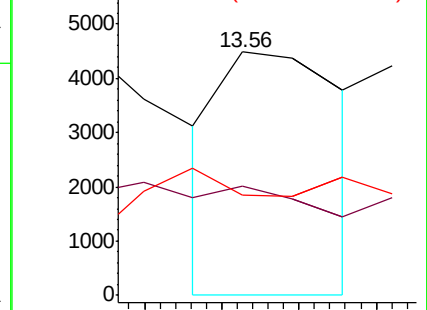
103 194.6 37.8 56.6#



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: 0.018 ppbv

RT: 14.71 min Scan# 3707

Delta R.T. 0.01 min

Lab File: VL034874.D

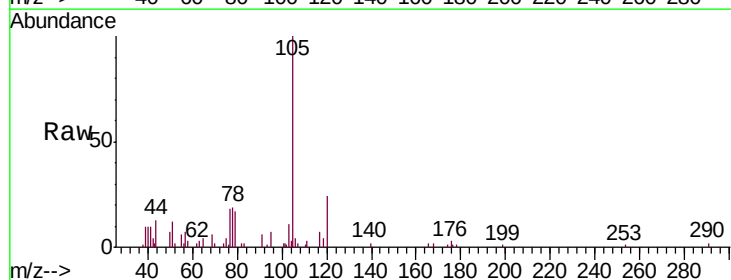
Acq: 10 Mar 2020 20:19

Tgt Ion:105 Resp: 6039

Ion Ratio Lower Upper

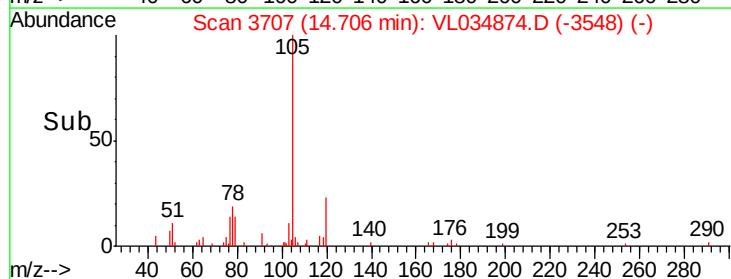
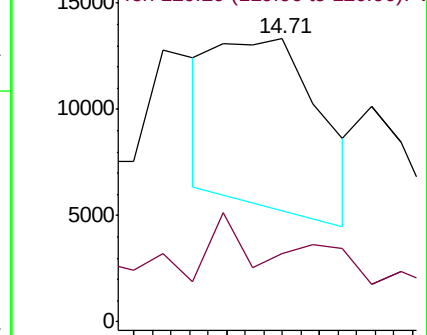
105 100

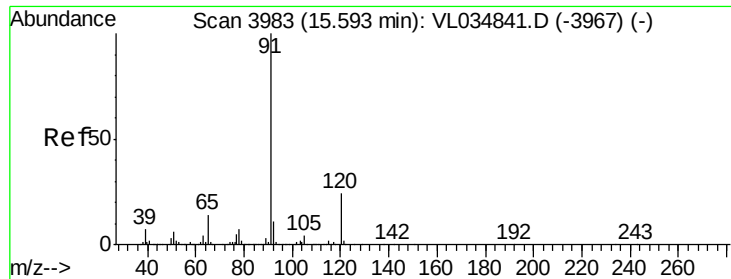
120 148.3 21.0 31.4#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#64

n-propylbenzene

Concen: 0.090 ppbv

RT: 15.60 min Scan# 3985

Delta R.T. 0.01 min

Lab File: VL034874.D

Acq: 10 Mar 2020 20:19

Instrument :

MSVOA_L

ClientSampleId :

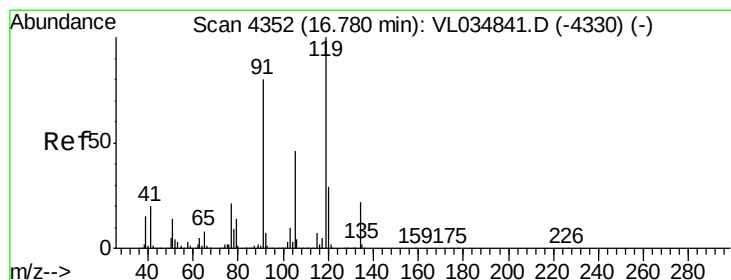
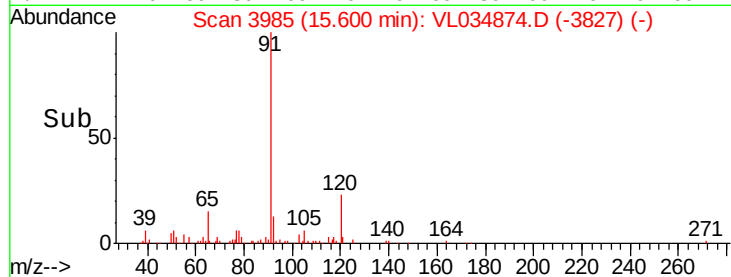
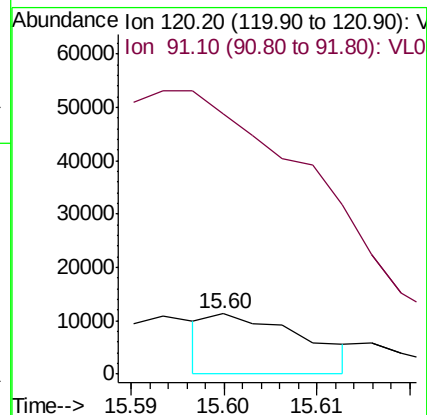
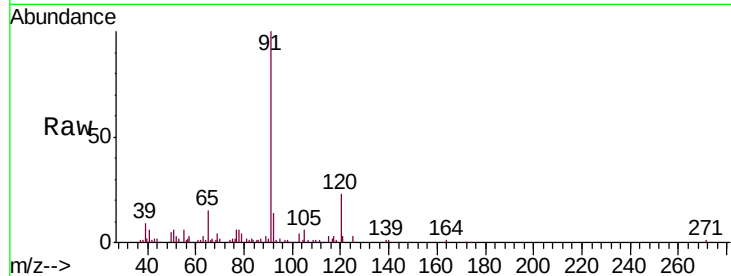
NS-2

Tgt Ion:120 Resp: 7977

Ion Ratio Lower Upper

120 100

91 0.0 360.9 541.3#



#65

tert-Butylbenzene

Concen: 0.137 ppbv

RT: 16.80 min Scan# 4359

Delta R.T. 0.02 min

Lab File: VL034874.D

Acq: 10 Mar 2020 20:19

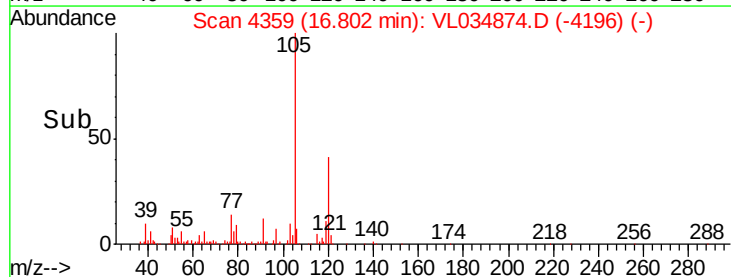
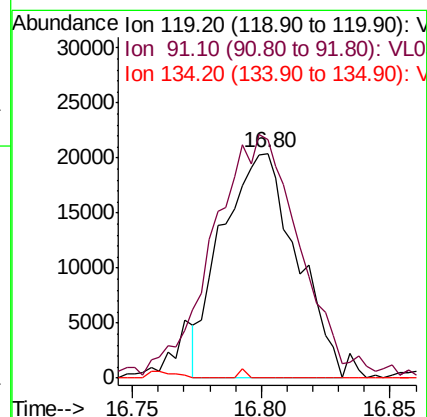
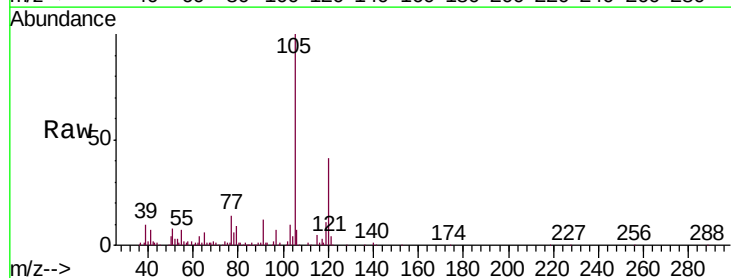
Tgt Ion:119 Resp: 41022

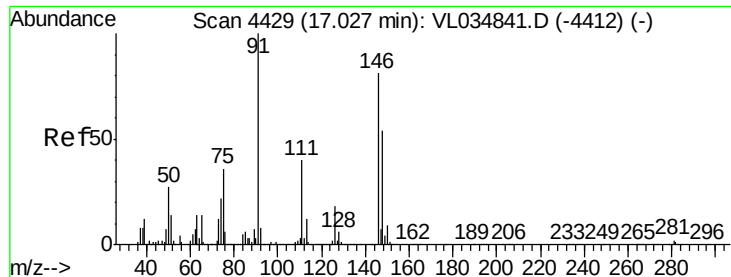
Ion Ratio Lower Upper

119 100

91 129.1 64.9 97.3#

134 0.0 15.9 23.9#

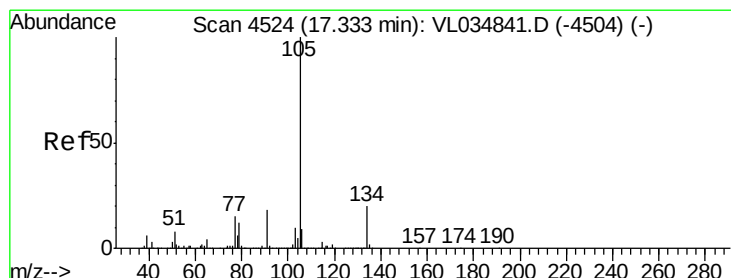
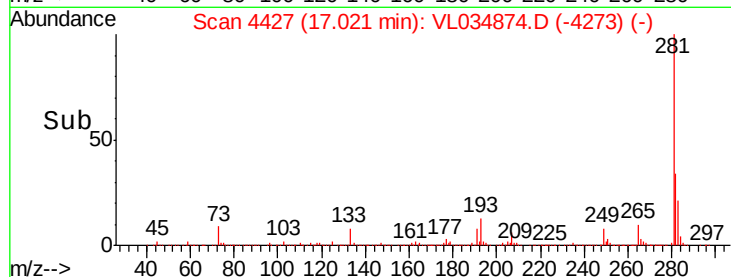
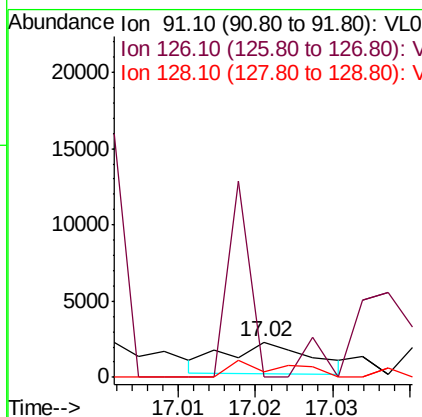
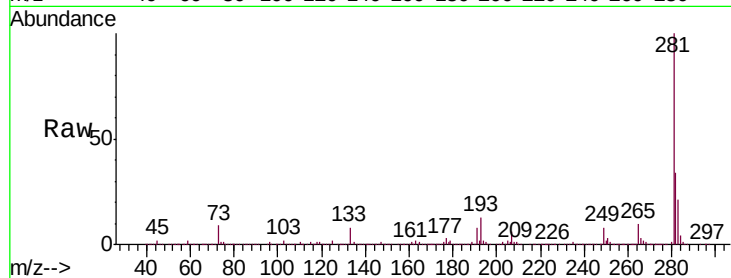




#66
Benzyl Chloride
Concen: 0.013 ppbv
RT: 17.02 min Scan# 4427
Delta R.T. -0.01 min
Lab File: VL034874.D
Acq: 10 Mar 2020 20:19

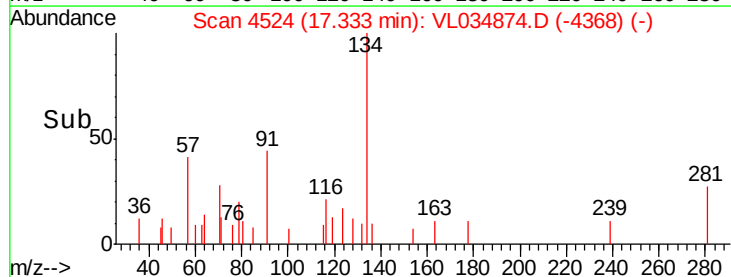
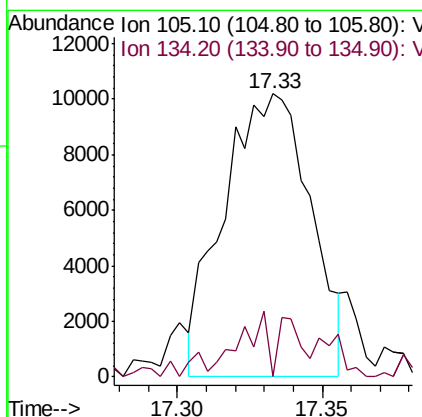
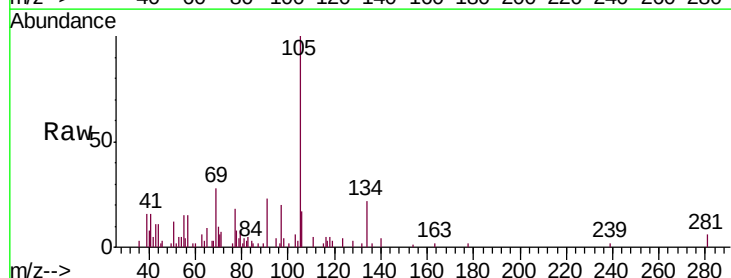
Instrument :
MSVOA_L
ClientSampleId :
NS-2

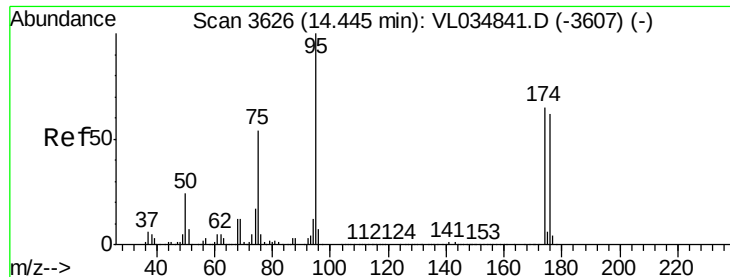
Tgt Ion: 91 Resp: 1590
Ion Ratio Lower Upper
91 100
126 428.4 14.7 22.1#
128 44.1 4.7 7.1#



#67
sec-Butylbenzene
Concen: 0.051 ppbv
RT: 17.33 min Scan# 4524
Delta R.T. 0.00 min
Lab File: VL034874.D
Acq: 10 Mar 2020 20:19

Tgt Ion: 105 Resp: 21180
Ion Ratio Lower Upper
105 100
134 19.4 15.0 22.6





#68

1-Bromo-4-Fluorobenzene

Concen: 10.220 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. 0.00 min

Lab File: VL034874.D

Acq: 10 Mar 2020 20:19

Instrument :

MSVOA_L

ClientSampleId :

NS-2

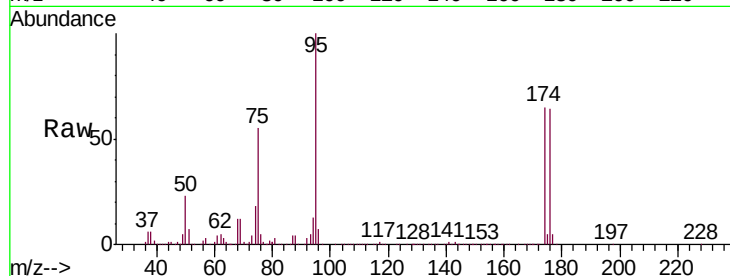
Tgt Ion: 95 Resp: 1627756

Ion Ratio Lower Upper

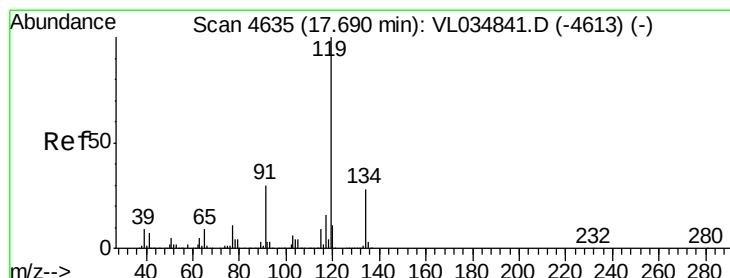
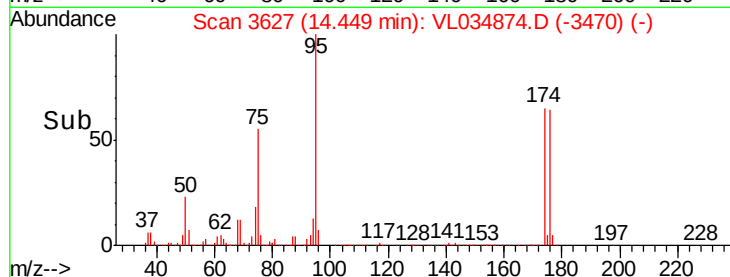
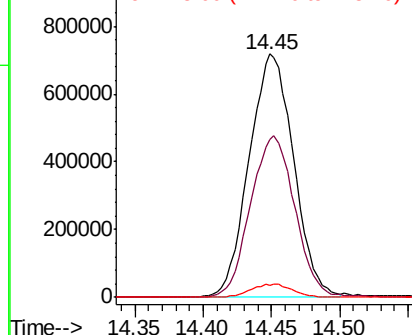
95 100

174 66.7 55.2 82.8

175 5.2 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: 0.028 ppbv

RT: 17.70 min Scan# 4637

Delta R.T. 0.01 min

Lab File: VL034874.D

Acq: 10 Mar 2020 20:19

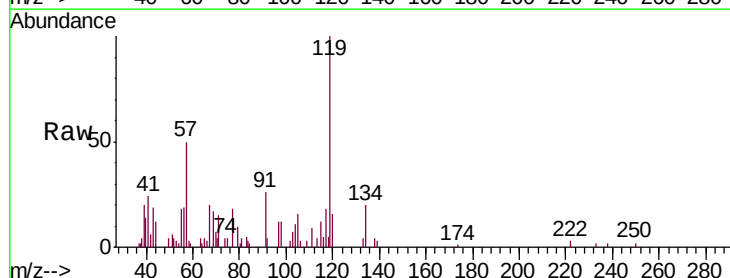
Tgt Ion: 119 Resp: 9641

Ion Ratio Lower Upper

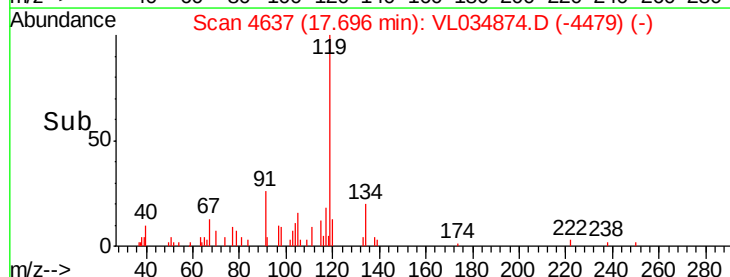
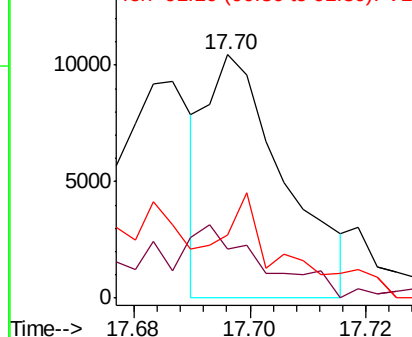
119 100

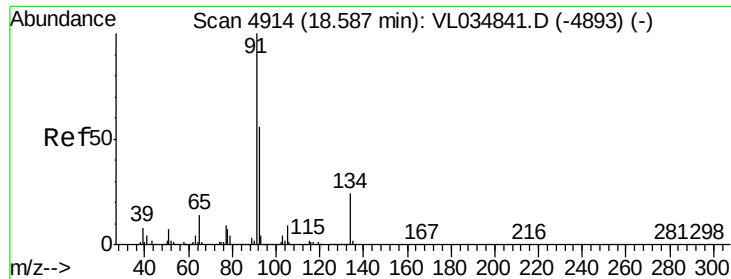
134 55.0 20.6 30.8#

91 91.0 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): VL0

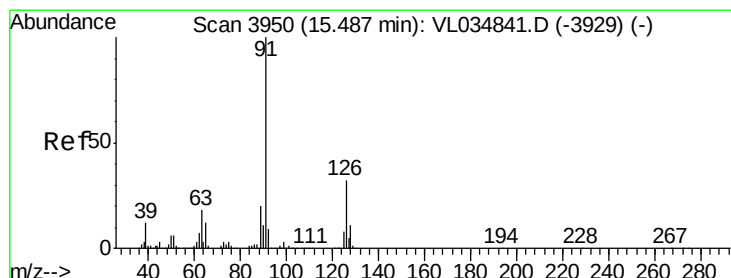
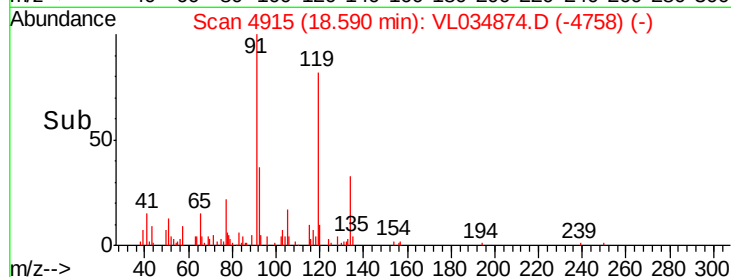
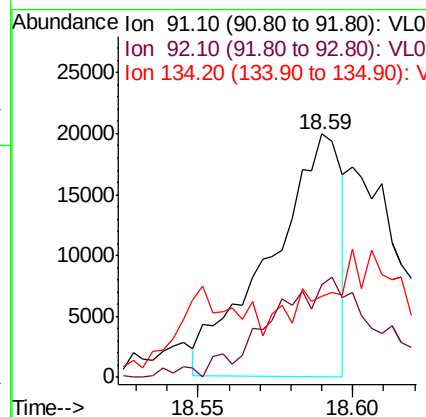
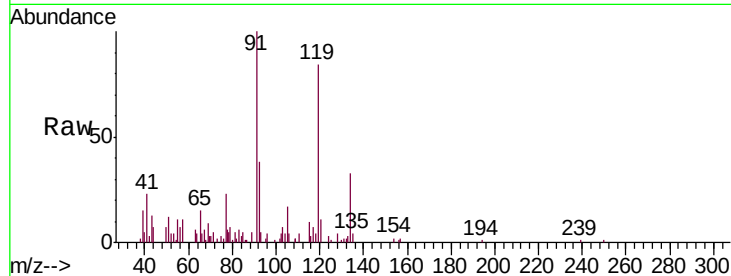




#70
n-Butylbenzene
Concen: 0.090 ppbv
RT: 18.59 min Scan# 4915
Delta R.T. 0.00 min
Lab File: VL034874.D
Acq: 10 Mar 2020 20:19

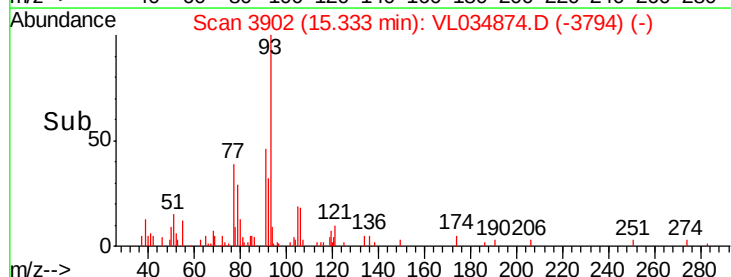
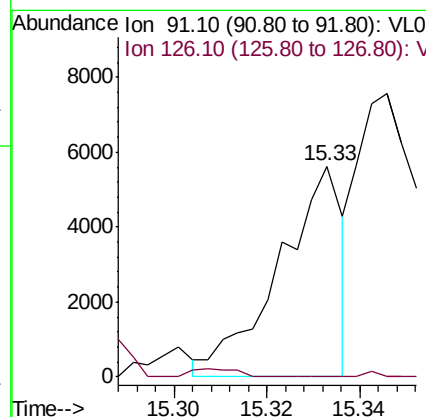
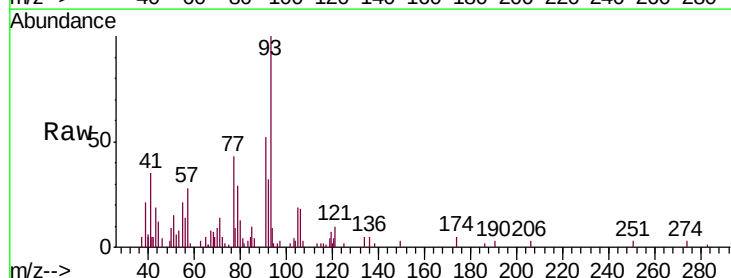
Instrument :
MSVOA_L
ClientSampleId :
NS-2

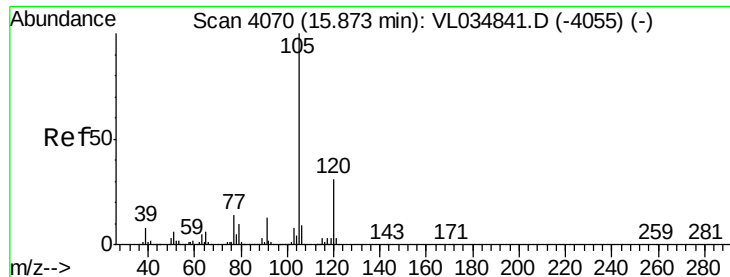
Tgt Ion: 91 Resp: 31902
Ion Ratio Lower Upper
91 100
92 64.0 43.8 65.6
134 0.0 19.0 28.4#



#71
2-Chlorotoluene
Concen: 0.021 ppbv
RT: 15.33 min Scan# 3902
Delta R.T. -0.15 min
Lab File: VL034874.D
Acq: 10 Mar 2020 20:19

Tgt Ion: 91 Resp: 5329
Ion Ratio Lower Upper
91 100
126 16.8 12.3 49.1





#72

4-Ethyltoluene

Concen: 0.469 ppbv

RT: 15.87 min Scan# 4070

Delta R.T. 0.00 min

Lab File: VL034874.D

Acq: 10 Mar 2020 20:19

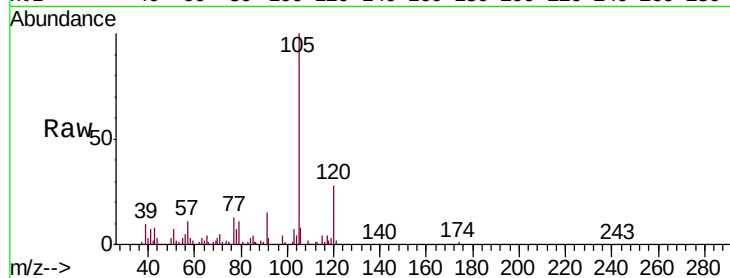
Instrument :

MSVOA_L

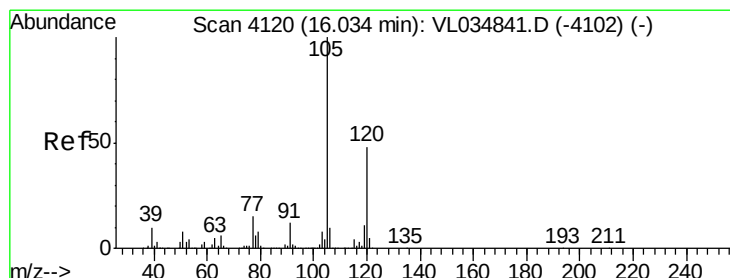
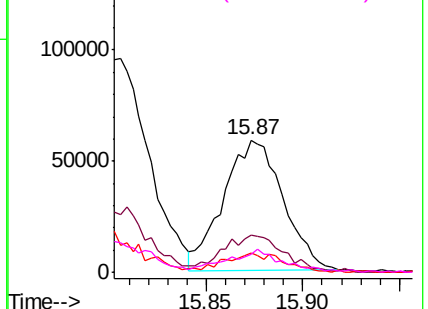
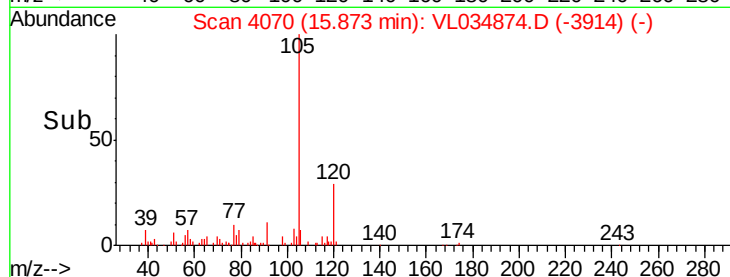
ClientSampleId :

NS-2

Tgt Ion:	105	Resp:	125226
Ion	Ratio	Lower	Upper
105	100		
120	29.8	23.7	35.5
91	15.5	10.5	15.7
77	16.7	11.1	16.7#



Abundance Ion 105.10 (104.80 to 105.80): V
 150000
 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: 0.390 ppbv

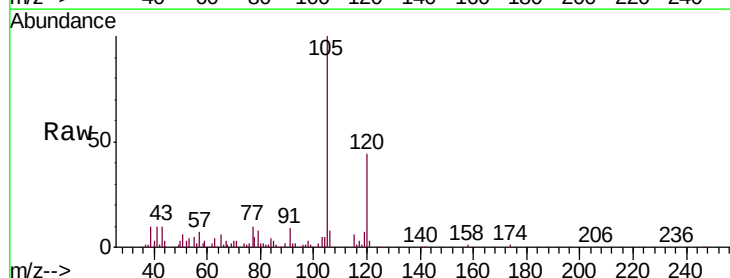
RT: 16.03 min Scan# 4118

Delta R.T. -0.01 min

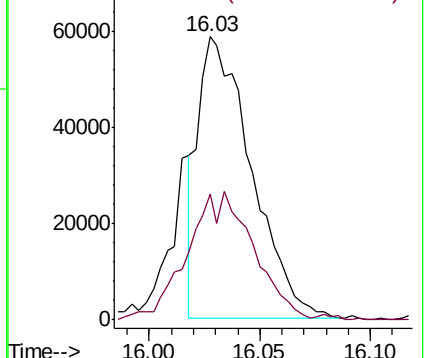
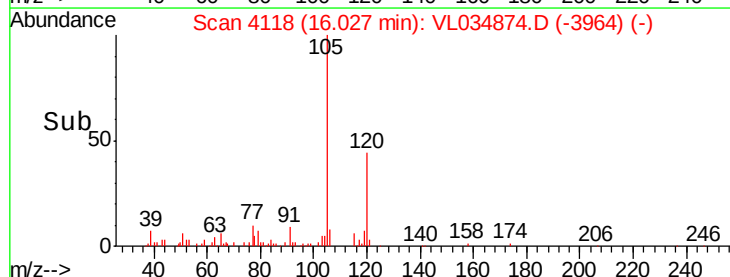
Lab File: VL034874.D

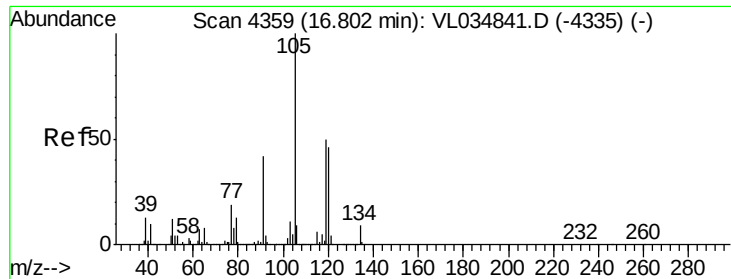
Acq: 10 Mar 2020 20:19

Tgt Ion:	105	Resp:	97432
Ion	Ratio	Lower	Upper
105	100		
120	43.1	38.6	58.0



Abundance Ion 105.10 (104.80 to 105.80): V
 60000
 Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 1.588 ppbv

RT: 16.80 min Scan# 4359

Delta R.T. 0.00 min

Lab File: VL034874.D

Acq: 10 Mar 2020 20:19

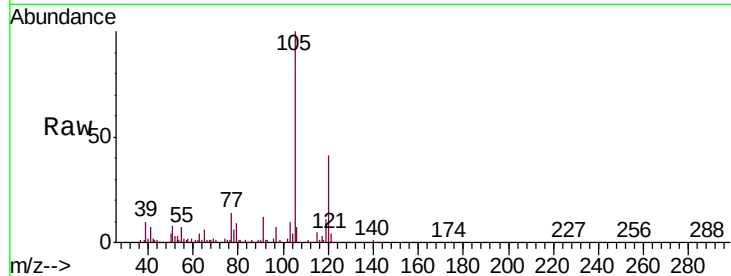
Instrument :

MSVOA_L

ClientSampleId :

NS-2

Tgt Ion:	105	Resp:	409139
Ion Ratio	Lower	Upper	
105	100		
120	41.3	37.0	55.4
91	11.6	33.8	50.6#
77	14.2	15.4	23.0#

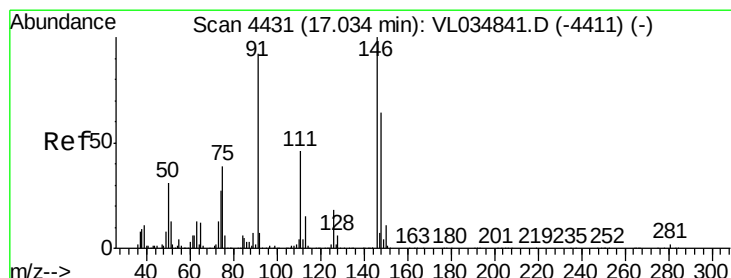
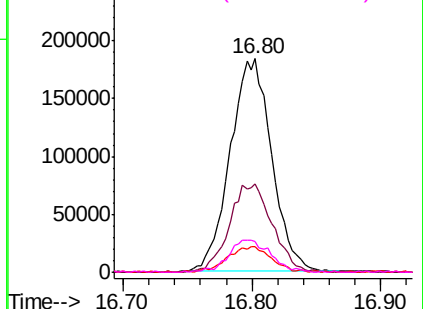
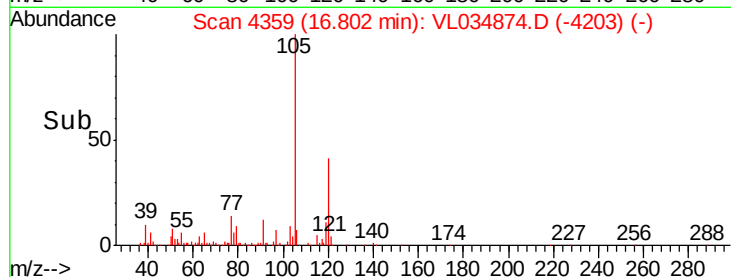


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.022 ppbv

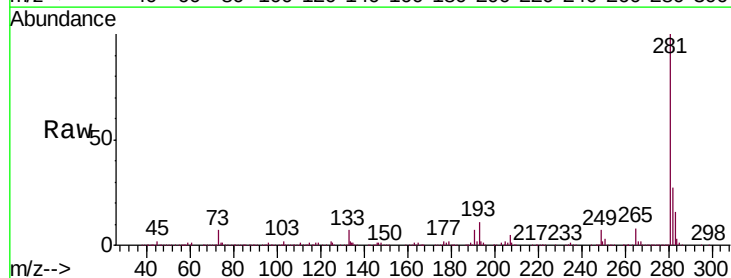
RT: 17.04 min Scan# 4434

Delta R.T. 0.01 min

Lab File: VL034874.D

Acq: 10 Mar 2020 20:19

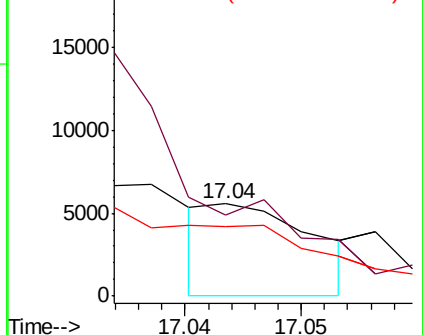
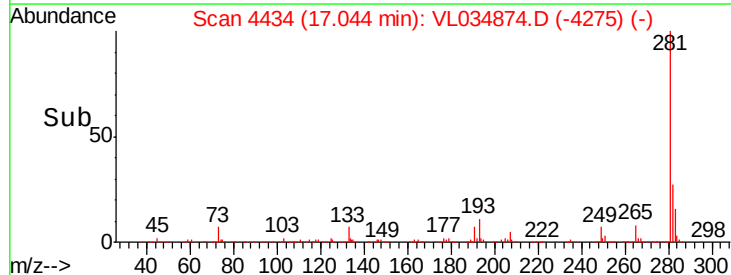
Tgt Ion:	146	Resp:	3451
Ion Ratio	Lower	Upper	
146	100		
111	0.0	23.9	71.7#
148	0.0	32.5	97.5#

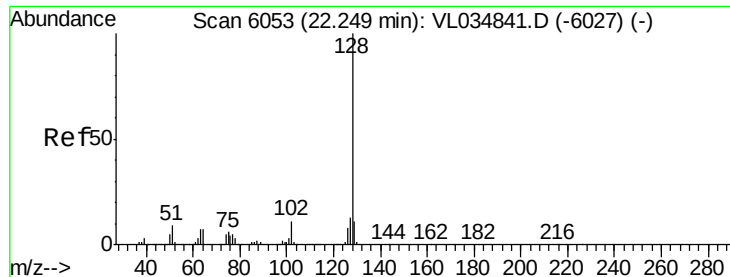


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#79

Naphthalene

Concen: 0.046 ppbv

RT: 22.26 min Scan# 6056

Delta R.T. 0.01 min

Lab File: VL034874.D

Acq: 10 Mar 2020 20:19

Instrument :

MSVOA_L

ClientSampleId :

NS-2

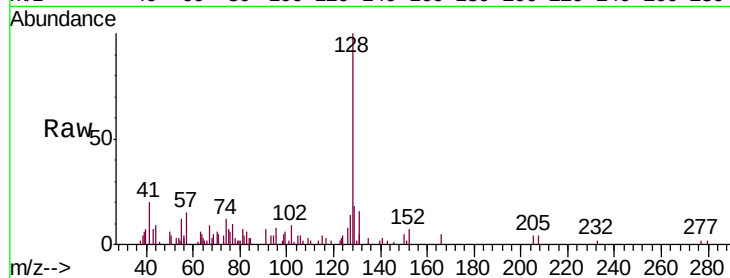
Tgt Ion:128 Resp: 9180

Ion Ratio Lower Upper

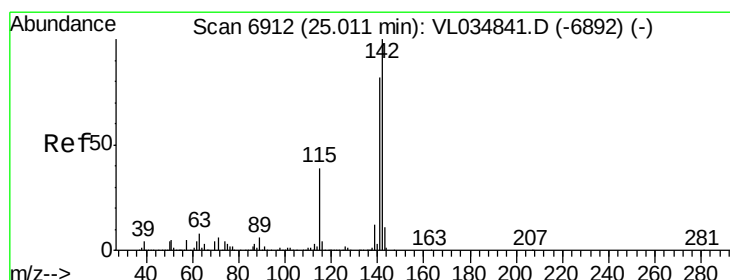
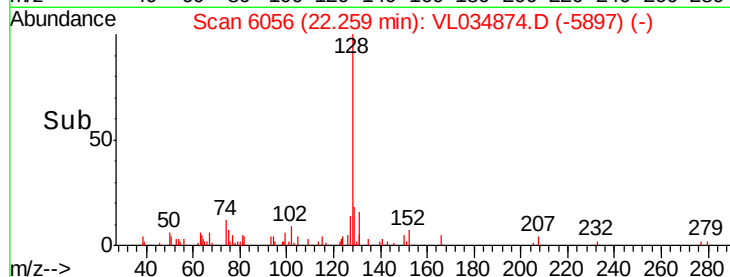
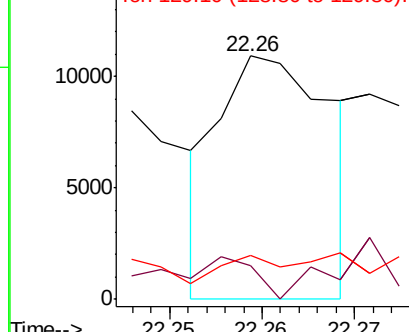
128 100

127 14.9 10.2 15.2

129 34.4 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: 0.064 ppbv

RT: 25.02 min Scan# 6915

Delta R.T. 0.01 min

Lab File: VL034874.D

Acq: 10 Mar 2020 20:19

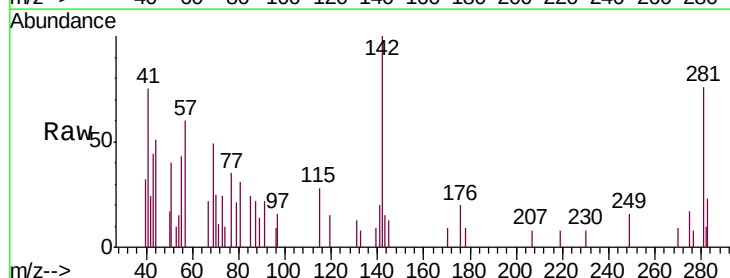
Tgt Ion:142 Resp: 3344

Ion Ratio Lower Upper

142 100

141 44.8 68.9 103.3#

115 57.1 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

