

Data File : VL034856.D
Acq On : 10 Mar 2020 2:28
Operator : SY/AP
Sample : L1161-14 0.5 LOQ
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Mar 11 04:09:50 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	876361	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	1975131	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	1954578	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1588561	10.42	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.01	85	84179	0.701	ppbv	94
3) Chlorodifluoromethane	2.95	51	52176	0.533	ppbv	98
4) Chloromethane	3.10	50	31667	0.572	ppbv	91
5) Vinyl Chloride	3.22	62	27763	0.522	ppbv #	75
6) Bromomethane	3.44	94	16294	0.526	ppbv	85
7) Chloroethane	3.52	64	8924	0.465	ppbv #	86
8) Dichlorotetrafluoroethane	3.15	85	70240	0.564	ppbv	97
9) Propene	2.97	41	23611	0.505	ppbv	98
10) Heptane	8.12	43	37821	0.329	ppbv #	28
11) Trichlorofluoromethane	3.92	101	71866	0.563	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.46	101	50079	0.560	ppbv	96
13) Ethanol	3.57	45	2617	0.184	ppbv #	1
14) Bromoethene	3.71	108	20030	0.519	ppbv	95
15) Acetone	3.83	43	64081	0.564	ppbv	91
16) 1,3-Butadiene	3.29	39	24047	0.468	ppbv	97
17) tert-Butyl alcohol	4.28	59	66530	0.608	ppbv	96
18) 1,1-Dichloroethene	4.26	96	11347	0.287	ppbv #	83
19) Isopropyl Alcohol	3.95	45	41727	0.582	ppbv #	43
20) Methylene Chloride	4.32	84	13864	0.386	ppbv #	93
21) Allyl Chloride	4.39	41	36645	0.502	ppbv	96
22) trans-1,2-Dichloroethene	4.86	96	21299	0.531	ppbv	95
23) Vinyl Acetate	5.06	43	87383	0.521	ppbv #	96
24) 1,1-Dichloroethane	4.99	63	61771	0.549	ppbv	98
25) Ethyl Acetate	5.67	43	103483	0.511	ppbv	98
26) Hexane	5.67	57	43877	0.504	ppbv	91
27) Carbon Disulfide	4.53	76	42674	0.432	ppbv #	73
28) Methyl tert-Butyl Ether	5.02	73	69375	0.479	ppbv	99
29) Chloroform	5.74	83	70008	0.527	ppbv	85
30) Cyclohexane	7.13	84	32321	0.445	ppbv	91
31) cis-1,2-Dichloroethene	5.53	61	44249	0.497	ppbv	95
32) 1,1,1-Trichloroethane	6.50	97	49390	0.381	ppbv #	68
34) 2-Butanone	5.24	43	66176	0.504	ppbv	99
35) Carbon Tetrachloride	7.01	117	66280	0.540	ppbv	86
36) Benzene	6.89	78	87167	0.495	ppbv	98
37) 1,2-Dichloroethane	6.30	62	54748	0.552	ppbv	100
38) Trichloroethene	7.83	130	18484	0.276	ppbv	94
39) 1,2-Dichloropropane	7.62	63	34489	0.494	ppbv #	88
40) 1,4-Dioxane	7.86	88	2157	0.082	ppbv #	1
41) Tetrahydrofuran	6.05	42	8695	0.122	ppbv #	37
42) Bromodichloromethane	7.79	83	66547	0.492	ppbv #	91
43) Methyl Methacrylate	8.03	69	36043	0.486	ppbv	96

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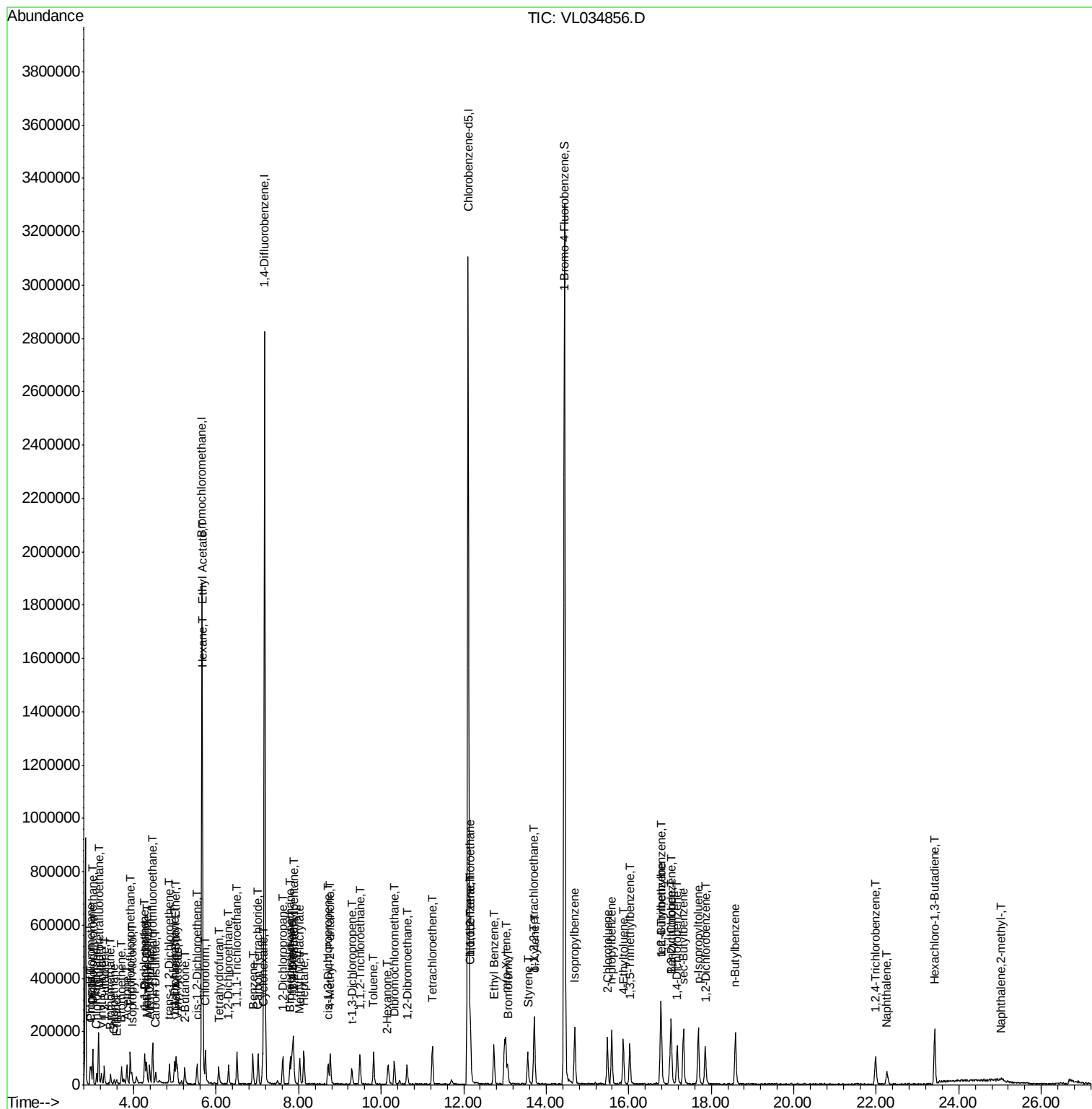
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	97494	0.328	ppbv	# 67
45) t-1,3-Dichloropropene	9.28	75	15262	0.175	ppbv	# 87
46) cis-1,3-Dichloropropene	8.71	75	23976	0.232	ppbv	92
47) 1,1,2-Trichloroethane	9.48	97	18551	0.259	ppbv	# 86
48) Dibromochloromethane	10.32	129	37081	0.320	ppbv	73
49) Bromoform	13.07	173	41304	0.400	ppbv	96
50) 4-Methyl-2-Pentanone	8.76	43	92852	0.491	ppbv	100
51) 2-Hexanone	10.13	43	1780	0.012	ppbv	# 29
52) Tetrachloroethene	11.24	164	30603	0.439	ppbv	92
53) Toluene	9.82	91	88011	0.433	ppbv	98
54) 1,2-Dibromoethane	10.63	107	53539	0.497	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.16	131	14500	0.165	ppbv	# 9
57) Chlorobenzene	12.17	112	48641	0.318	ppbv	# 87
58) Ethyl Benzene	12.73	91	77116	0.291	ppbv	92
59) m/p-Xylene	13.02	91	77395	0.349	ppbv	# 1
60) o-Xylene	13.72	91	118319	0.546	ppbv	96
61) Styrene	13.56	104	24091	0.159	ppbv	# 1
62) Isopropylbenzene	14.69	105	88973	0.272	ppbv	# 61
63) 1,1,2,2-Tetrachloroethane	13.70	83	80907	0.550	ppbv	97
64) n-propylbenzene	15.59	120	14805	0.174	ppbv	# 1
65) tert-Butylbenzene	16.78	119	114439	0.400	ppbv	# 79
66) Benzyl Chloride	17.03	91	27818	0.233	ppbv	# 84
67) sec-Butylbenzene	17.33	105	193437	0.487	ppbv	94
69) p-Isopropyltoluene	17.69	119	78499	0.236	ppbv	# 43
70) n-Butylbenzene	18.59	91	159966	0.471	ppbv	98
71) 2-Chlorotoluene	15.48	91	124168	0.501	ppbv	100
72) 4-Ethyltoluene	15.86	105	122487	0.479	ppbv	97
73) 1,3,5-Trimethylbenzene	16.02	105	112780	0.471	ppbv	88
74) 1,2,4-Trimethylbenzene	16.79	105	125729	0.510	ppbv	# 91
75) 1,3-Dichlorobenzene	17.03	146	81669	0.549	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	39600	0.267	ppbv	# 23
77) 1,2-Dichlorobenzene	17.86	146	72069	0.500	ppbv	96
78) Hexachloro-1,3-Butadiene	23.42	225	36291	0.301	ppbv	# 63
79) Naphthalene	22.24	128	14430	0.075	ppbv	# 91
80) Naphthalene,2-methyl-	25.03	142	1420	0.028	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	10137	0.083	ppbv	# 1

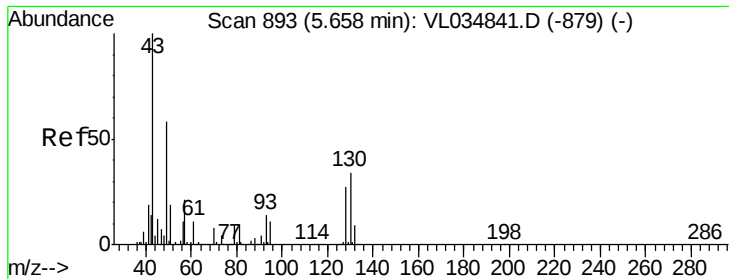
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.00 min

Lab File: VL034856.D

Acq: 10 Mar 2020 2:28

Instrument :

MSVOA_L

ClientSampleId :

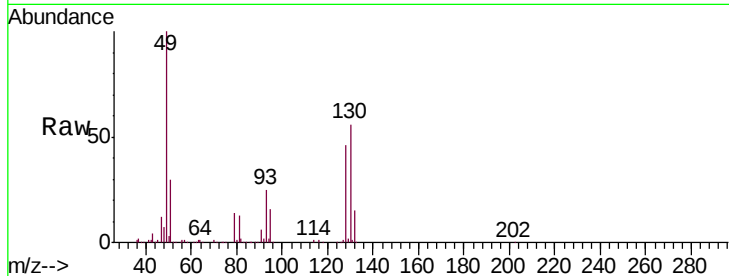
Tgt Ion: 49 Resp: 876361

Ion Ratio Lower Upper

49 100

128 47.7 23.4 70.3

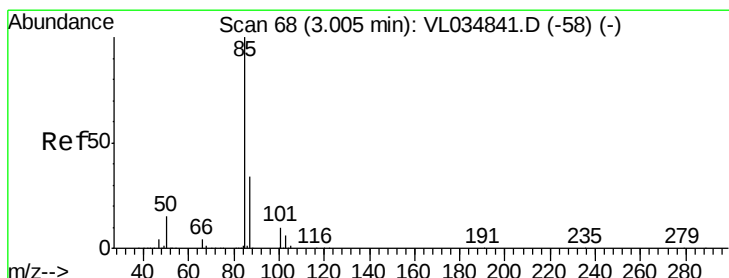
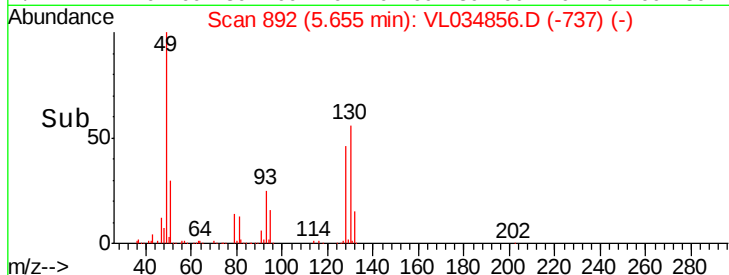
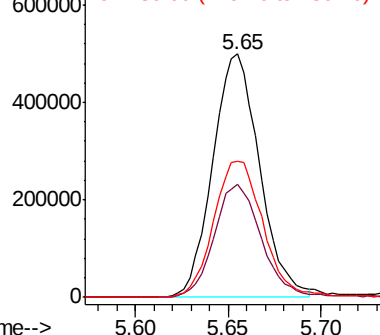
130 59.9 30.0 90.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.701 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL034856.D

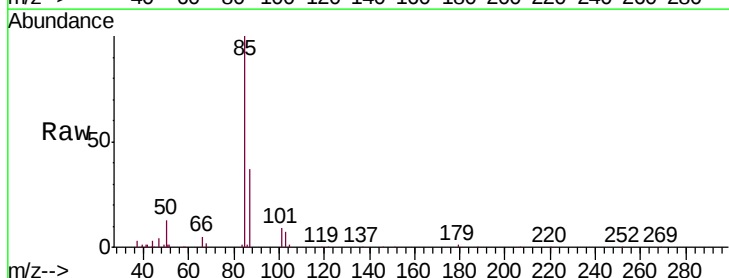
Acq: 10 Mar 2020 2:28

Tgt Ion: 85 Resp: 84179

Ion Ratio Lower Upper

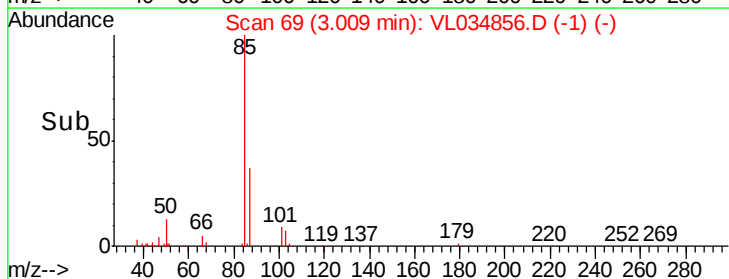
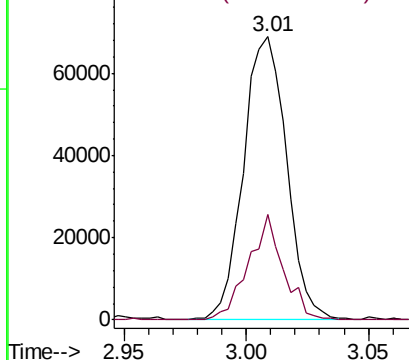
85 100

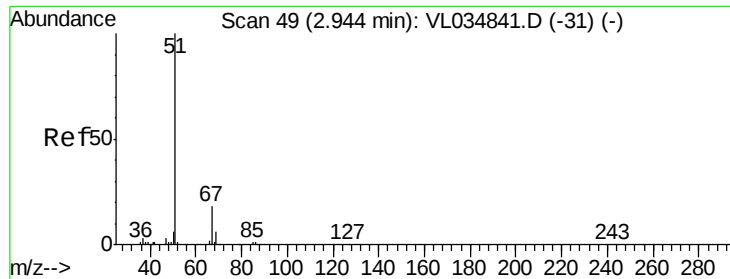
87 37.1 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.533 ppbv

RT: 2.95 min Scan# 50

Delta R.T. 0.00 min

Lab File: VL034856.D

Acq: 10 Mar 2020 2:28

Instrument :

MSVOA_L

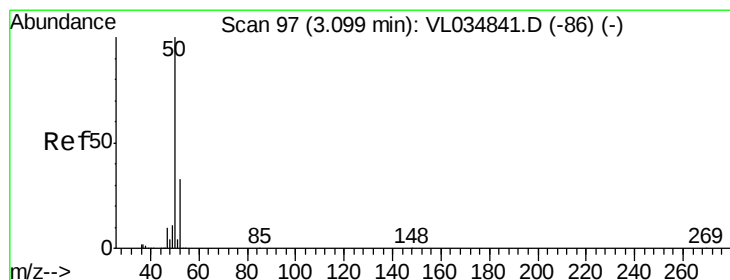
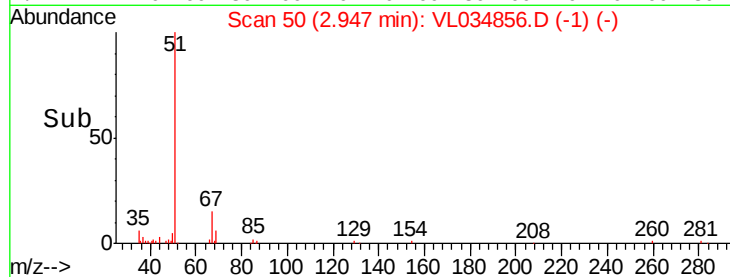
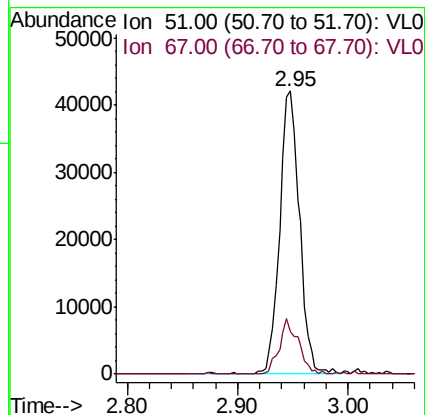
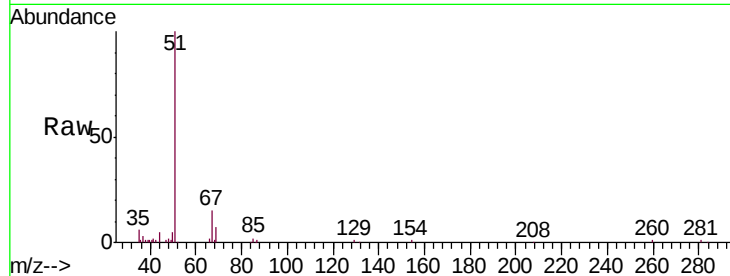
ClientSampleId :

Tgt Ion: 51 Resp: 52176

Ion Ratio Lower Upper

51 100

67 18.6 14.3 21.5



#4

Chloromethane

Concen: 0.572 ppbv

RT: 3.10 min Scan# 97

Delta R.T. 0.00 min

Lab File: VL034856.D

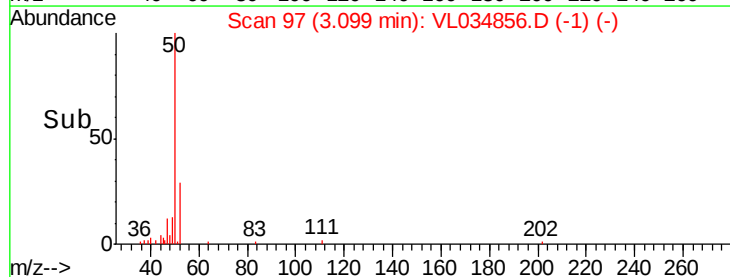
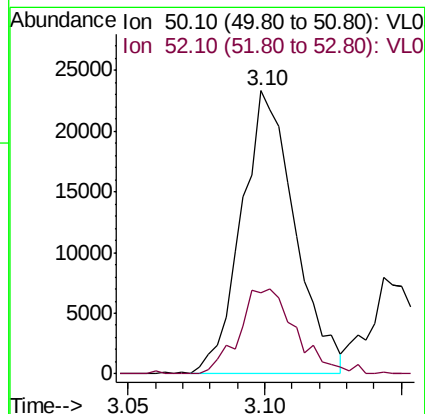
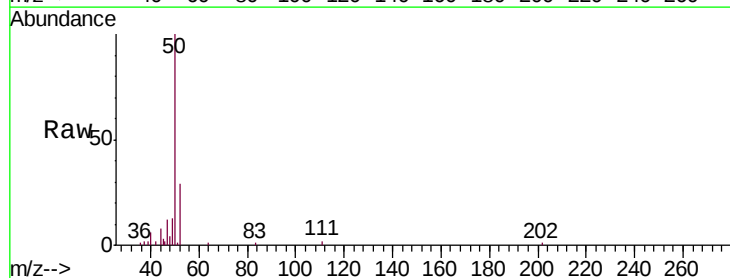
Acq: 10 Mar 2020 2:28

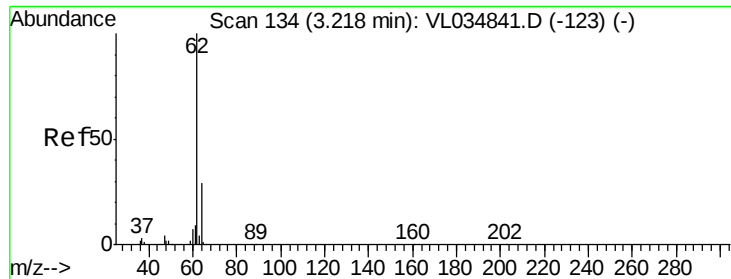
Tgt Ion: 50 Resp: 31667

Ion Ratio Lower Upper

50 100

52 28.5 26.8 40.2





#5

Vinyl Chloride

Concen: 0.522 ppbv

RT: 3.22 min Scan# 134

Delta R.T. 0.00 min

Lab File: VL034856.D

Acq: 10 Mar 2020 2:28

Instrument :

MSVOA_L

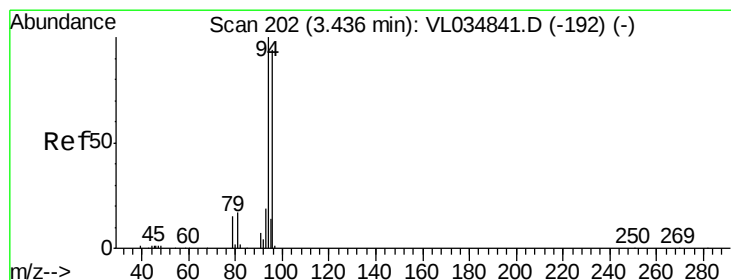
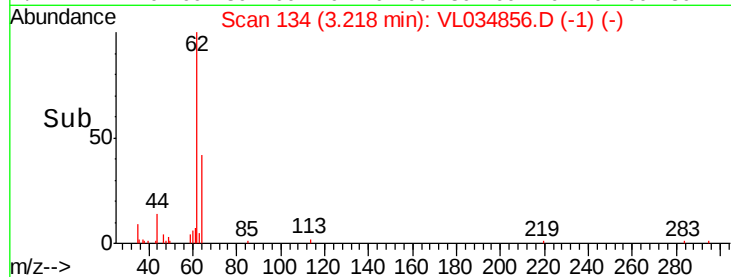
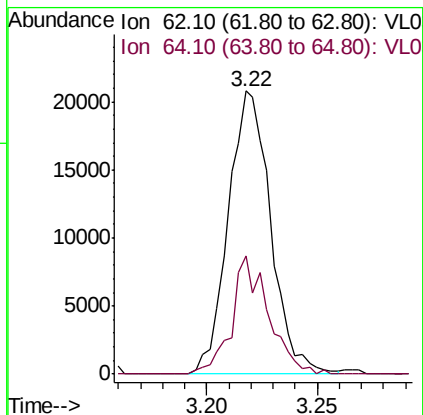
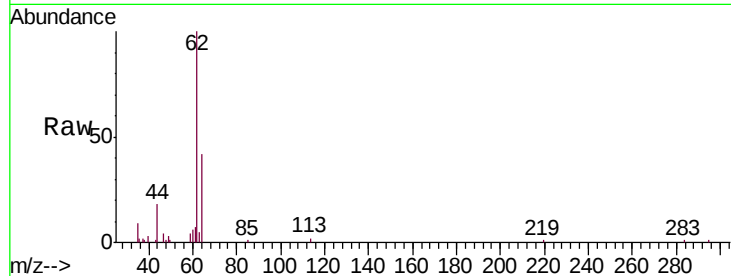
ClientSampleId :

Tgt Ion: 62 Resp: 27763

Ion Ratio Lower Upper

62 100

64 41.7 23.0 34.4#



#6

Bromomethane

Concen: 0.526 ppbv

RT: 3.44 min Scan# 203

Delta R.T. 0.00 min

Lab File: VL034856.D

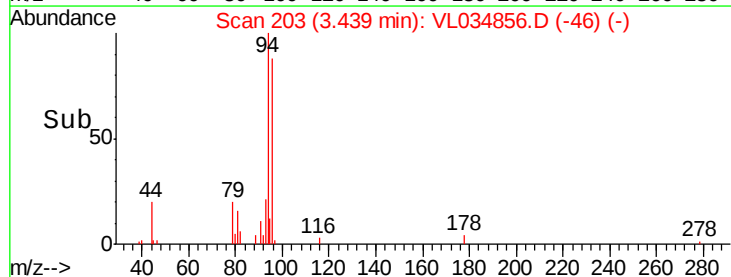
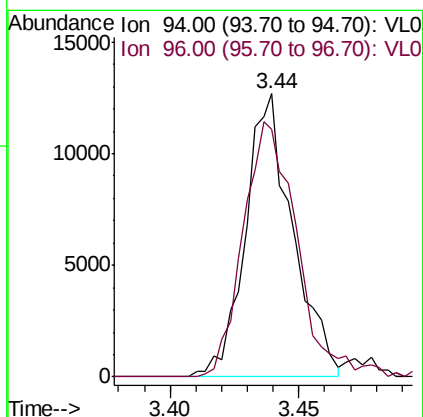
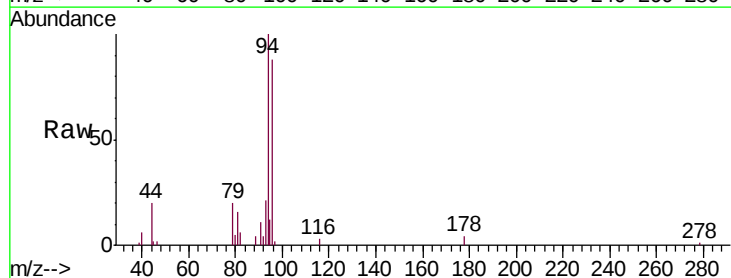
Acq: 10 Mar 2020 2:28

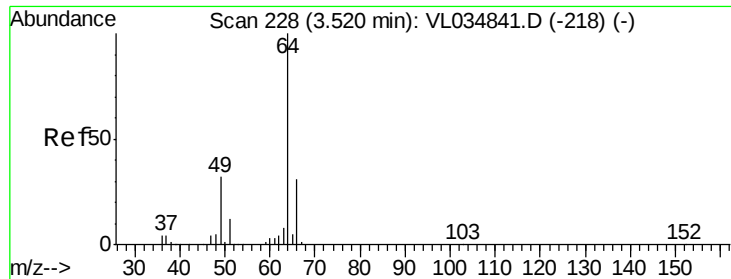
Tgt Ion: 94 Resp: 16294

Ion Ratio Lower Upper

94 100

96 79.7 75.5 113.3





#7

Chloroethane

Concen: 0.465 ppbv

RT: 3.52 min Scan# 229

Delta R.T. 0.00 min

Lab File: VL034856.D

Acq: 10 Mar 2020 2:28

Instrument :

MSVOA_L

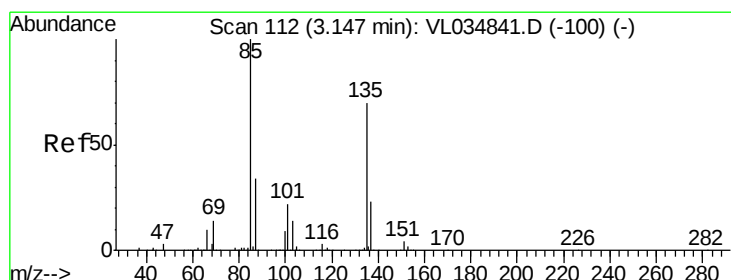
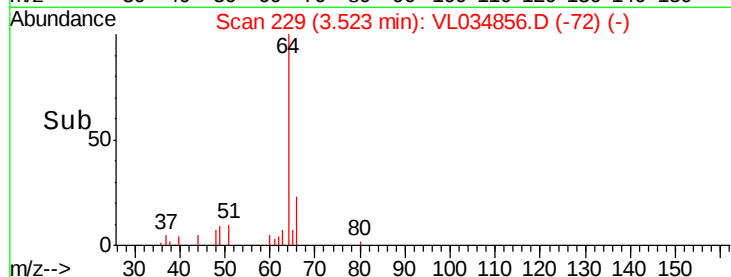
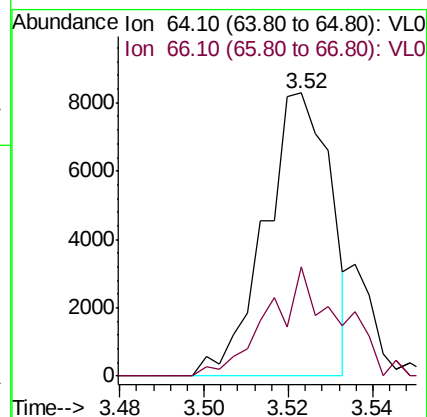
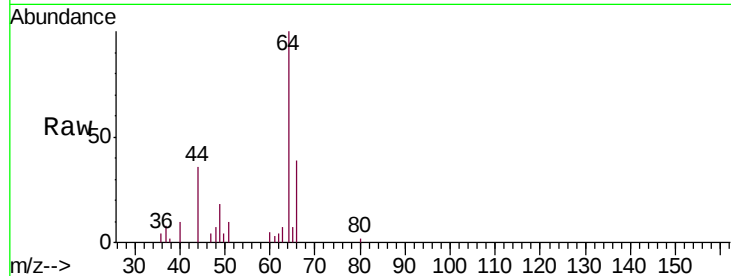
ClientSampleId :

Tgt Ion: 64 Resp: 8924

Ion Ratio Lower Upper

64 100

66 38.7 24.8 37.2#



#8

Dichlorotetrafluoroethane

Concen: 0.564 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

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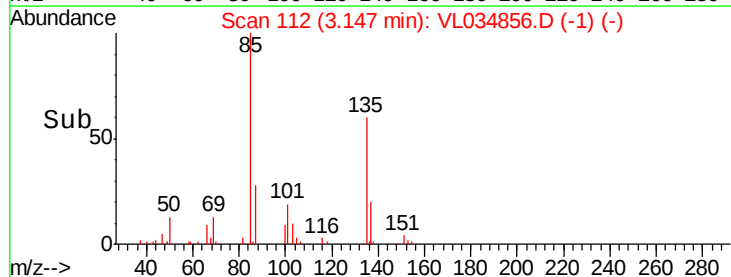
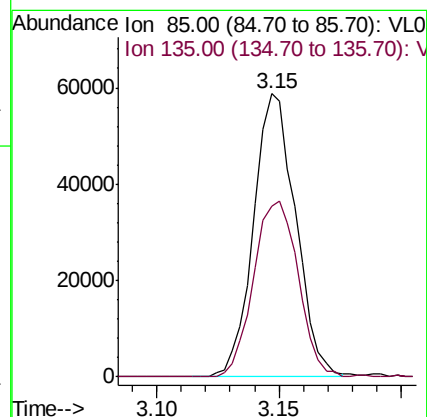
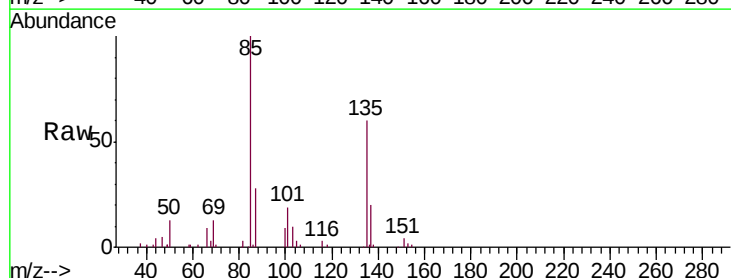
Acq: 10 Mar 2020 2:28

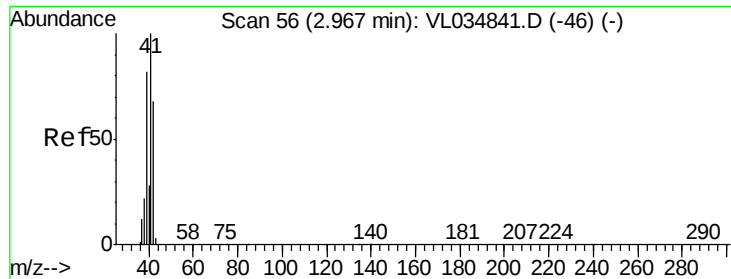
Tgt Ion: 85 Resp: 70240

Ion Ratio Lower Upper

85 100

135 65.8 54.3 81.5





#9

Propene

Concen: 0.505 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.00 min

Lab File: VL034856.D

Acq: 10 Mar 2020 2:28

Instrument :

MSVOA_L

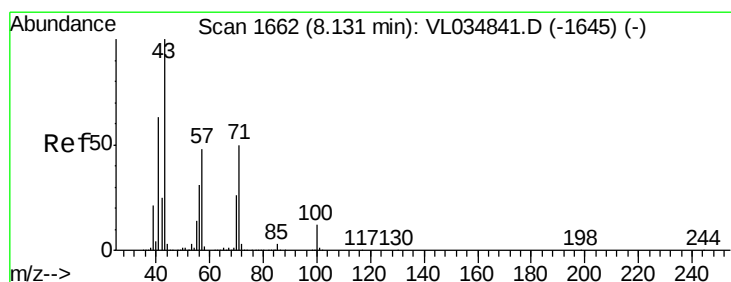
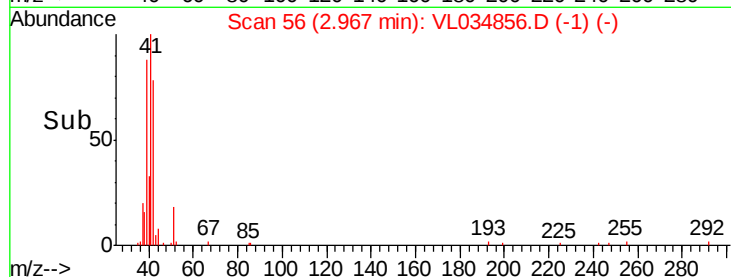
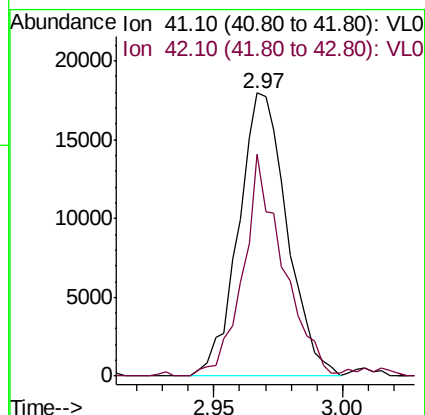
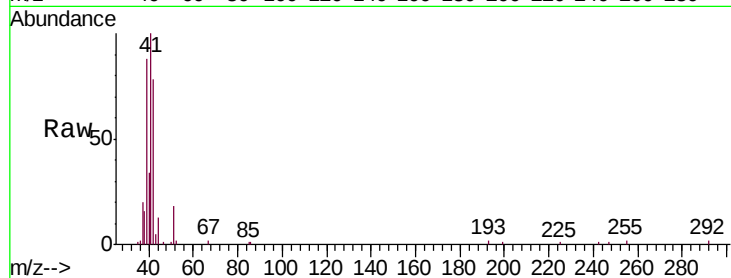
ClientSampleId :

Tgt Ion: 41 Resp: 23611

Ion Ratio Lower Upper

41 100

42 67.5 55.2 82.8



#10

Heptane

Concen: 0.329 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.01 min

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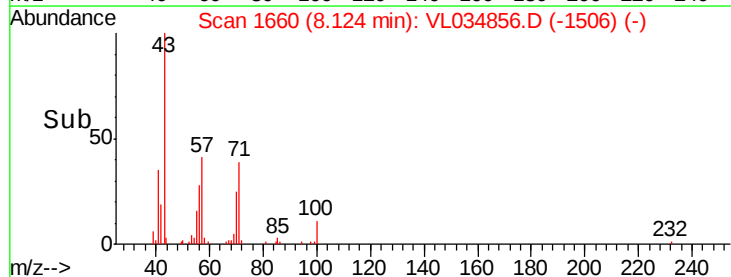
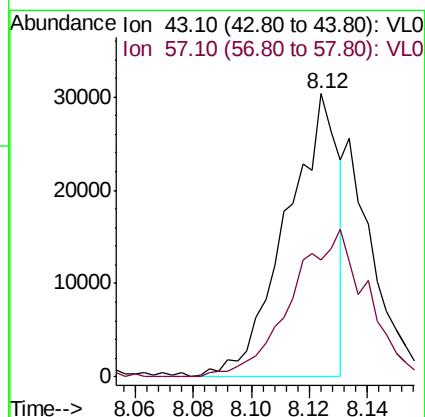
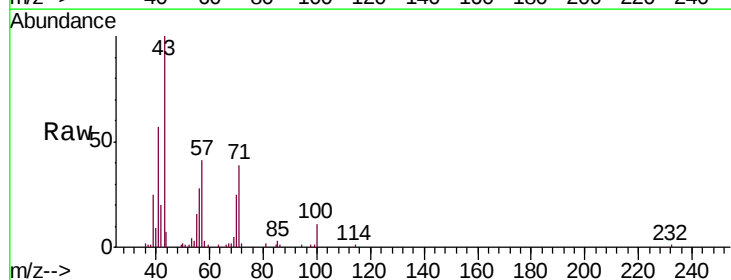
Acq: 10 Mar 2020 2:28

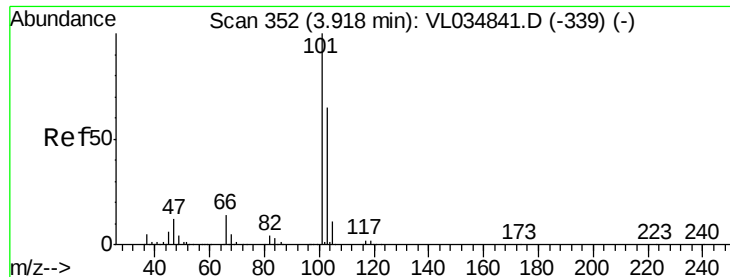
Tgt Ion: 43 Resp: 37821

Ion Ratio Lower Upper

43 100

57 0.0 39.7 59.5#

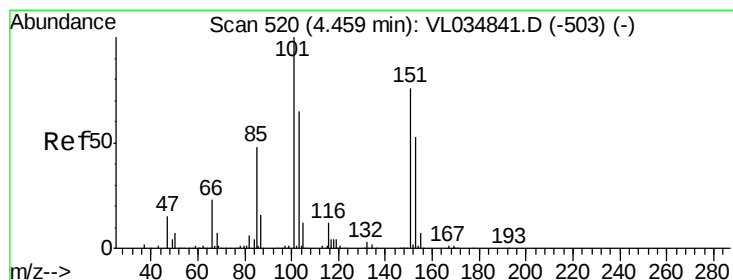
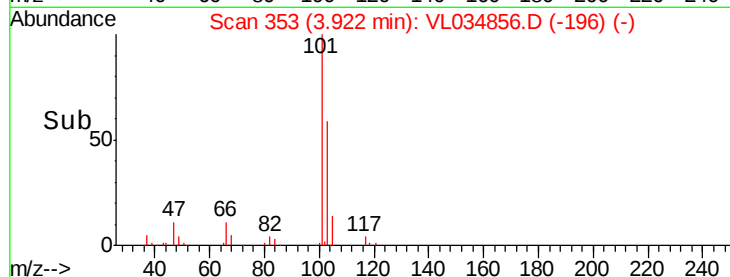
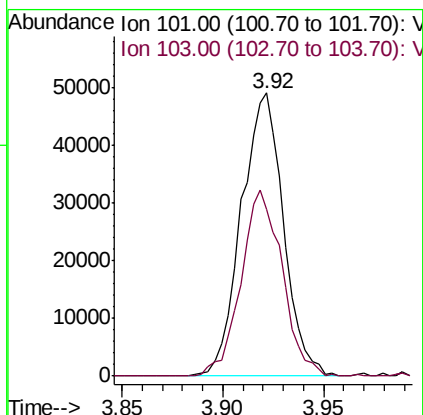
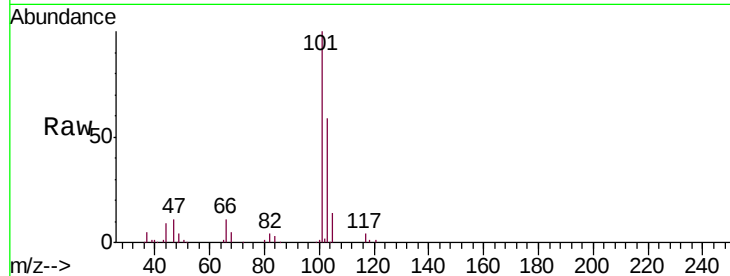




#11
 Trichlorofluoromethane
 Concen: 0.563 ppbv
 RT: 3.92 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VL034856.D
 Acq: 10 Mar 2020 2:28

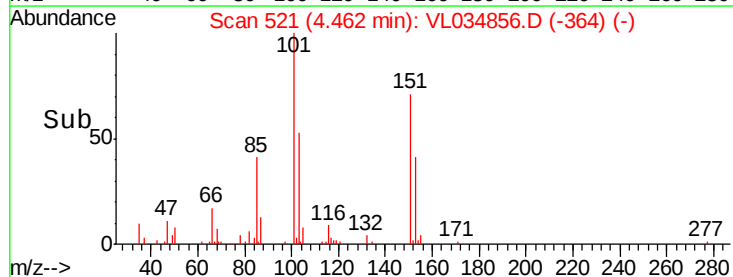
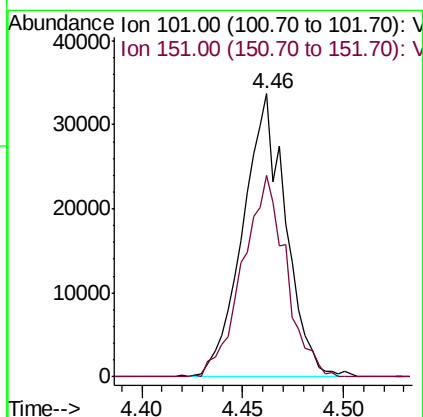
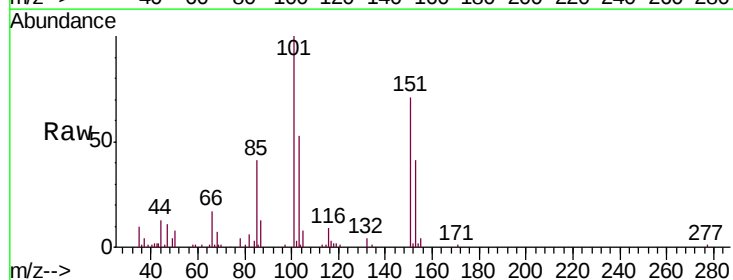
Instrument :
 MSVOA_L
 ClientSampled :

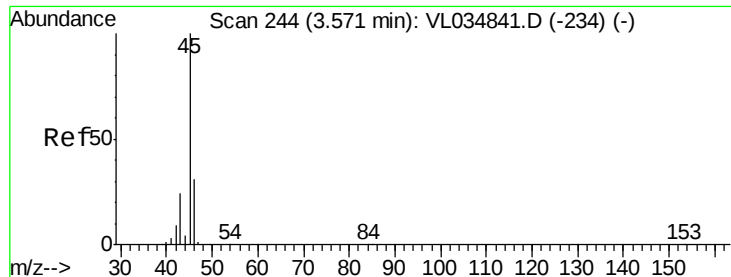
Tgt Ion:101 Resp: 71866
 Ion Ratio Lower Upper
 101 100
 103 59.0 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.560 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. 0.00 min
 Lab File: VL034856.D
 Acq: 10 Mar 2020 2:28

Tgt Ion:101 Resp: 50079
 Ion Ratio Lower Upper
 101 100
 151 72.3 60.8 91.2





#13

Ethanol

Concen: 0.184 ppbv

RT: 3.57 min Scan# 245

Delta R.T. 0.00 min

Lab File: VL034856.D

Acq: 10 Mar 2020 2:28

Instrument :

MSVOA_L

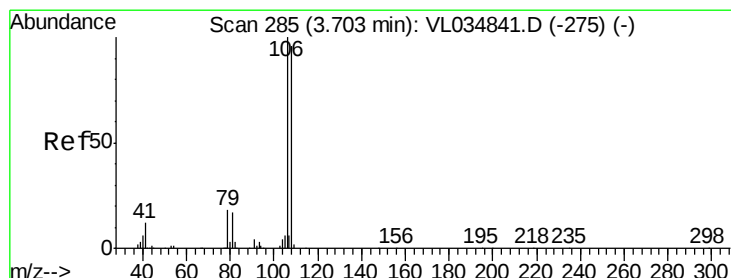
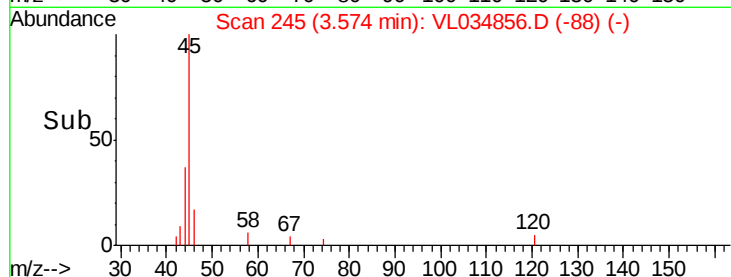
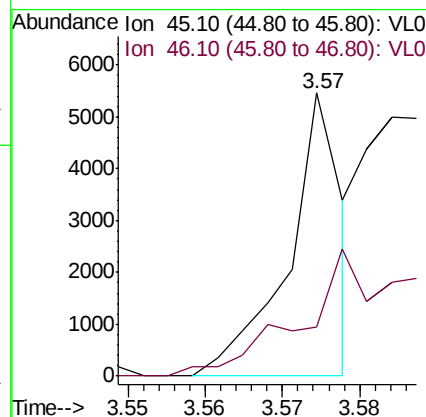
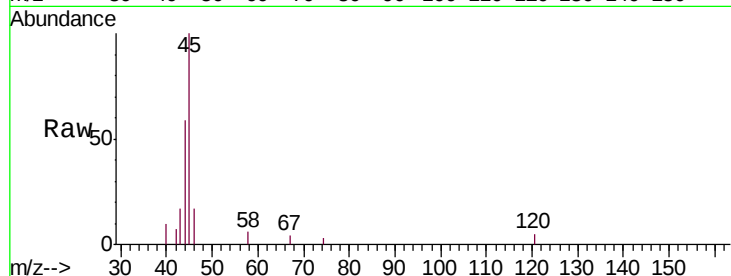
ClientSampleId :

Tgt Ion: 45 Resp: 2617

Ion Ratio Lower Upper

45 100

46 174.1 16.0 64.0#



#14

Bromoethene

Concen: 0.519 ppbv

RT: 3.71 min Scan# 286

Delta R.T. 0.00 min

Lab File: VL034856.D

Acq: 10 Mar 2020 2:28

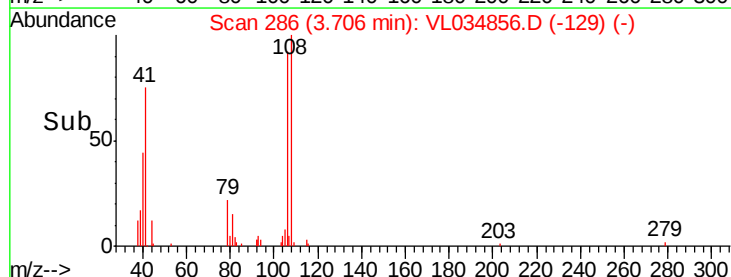
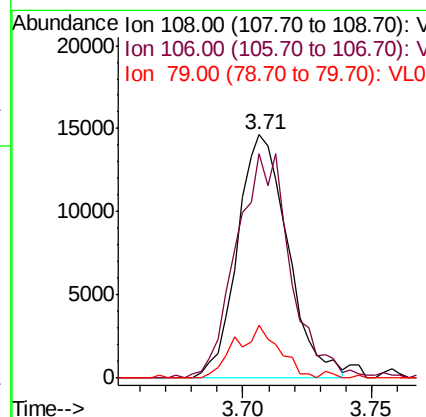
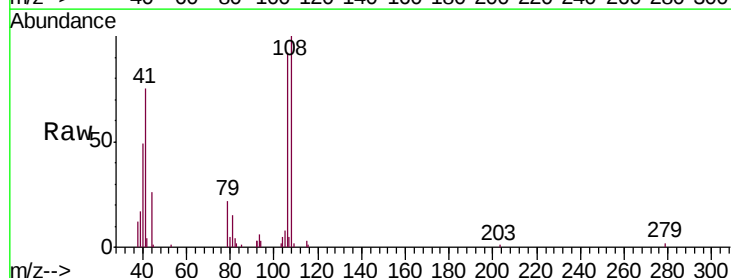
Tgt Ion: 108 Resp: 20030

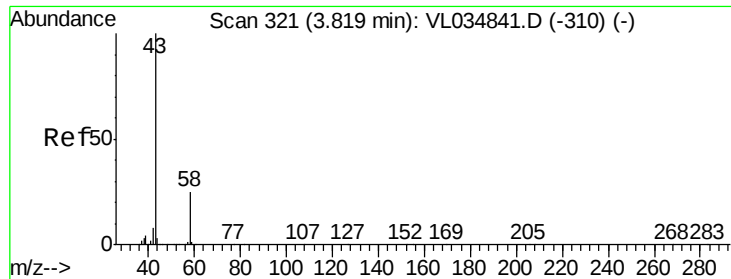
Ion Ratio Lower Upper

108 100

106 100.9 85.1 127.7

79 19.6 14.7 22.1

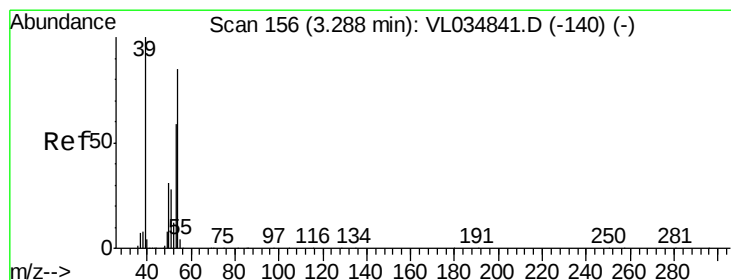
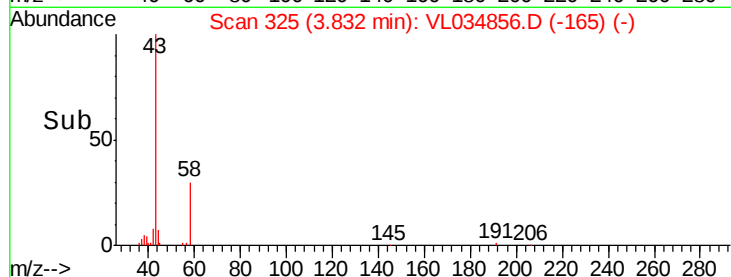
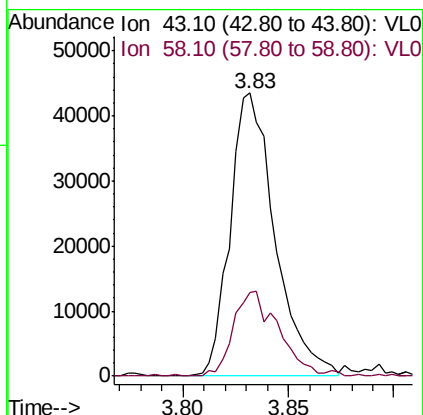
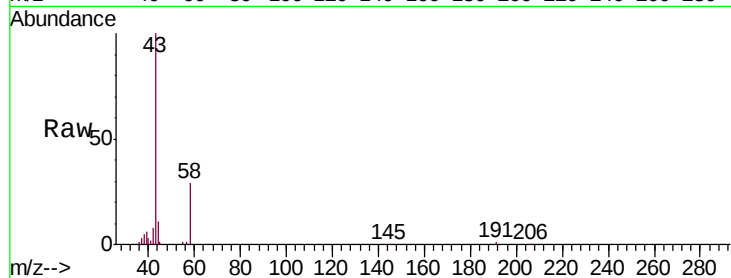




#15
Acetone
Concen: 0.564 ppbv
RT: 3.83 min Scan# 325
Delta R.T. 0.01 min
Lab File: VL034856.D
Acq: 10 Mar 2020 2:28

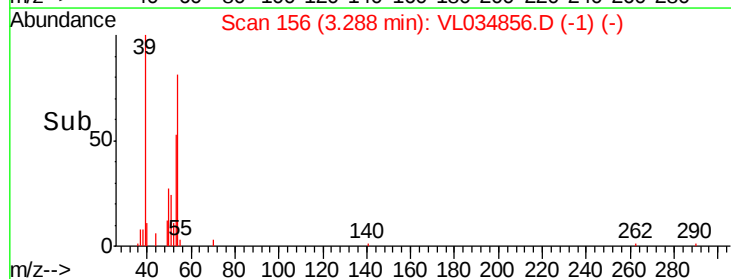
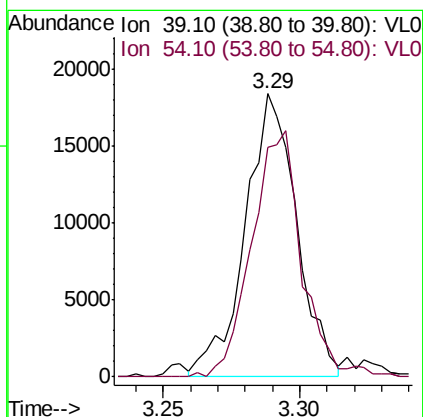
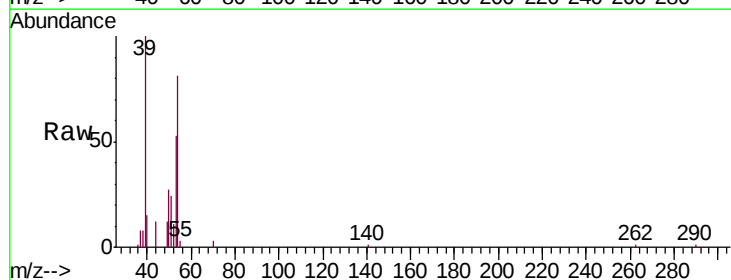
Instrument :
MSVOA_L
ClientSampleId :

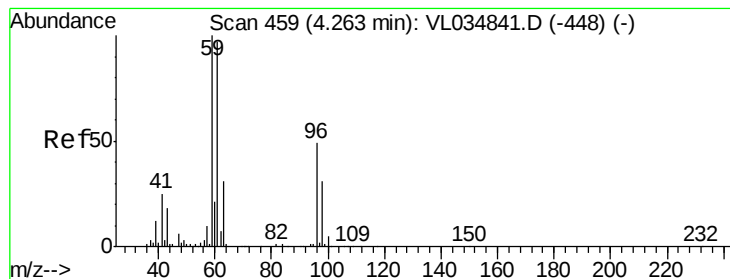
Tgt Ion: 43 Resp: 64081
Ion Ratio Lower Upper
43 100
58 30.9 21.0 31.6



#16
1,3-Butadiene
Concen: 0.468 ppbv
RT: 3.29 min Scan# 156
Delta R.T. 0.00 min
Lab File: VL034856.D
Acq: 10 Mar 2020 2:28

Tgt Ion: 39 Resp: 24047
Ion Ratio Lower Upper
39 100
54 84.4 65.0 97.6





#17

tert-Butyl alcohol

Concen: 0.608 ppbv

RT: 4.28 min Scan# 465

Delta R.T. 0.02 min

Lab File: VL034856.D

Acq: 10 Mar 2020 2:28

Instrument :

MSVOA_L

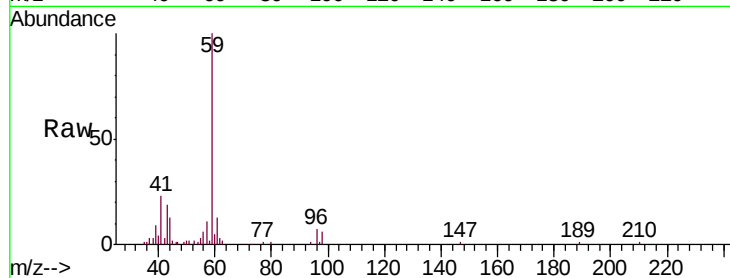
ClientSampled :

Tgt Ion: 59 Resp: 66530

Ion Ratio Lower Upper

59 100

57 11.9 8.3 12.5



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.28

40000

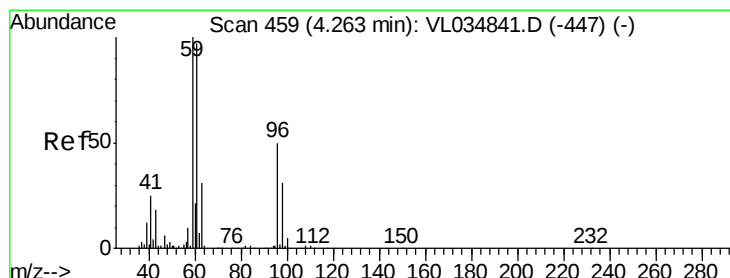
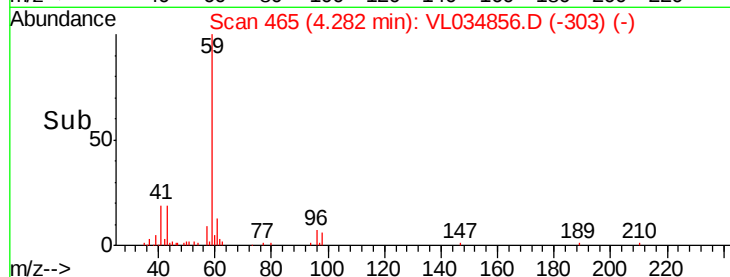
30000

20000

10000

0

Time--> 4.20 4.25 4.30 4.35



#18

1,1-Dichloroethene

Concen: 0.287 ppbv

RT: 4.26 min Scan# 458

Delta R.T. -0.00 min

Lab File: VL034856.D

Acq: 10 Mar 2020 2:28

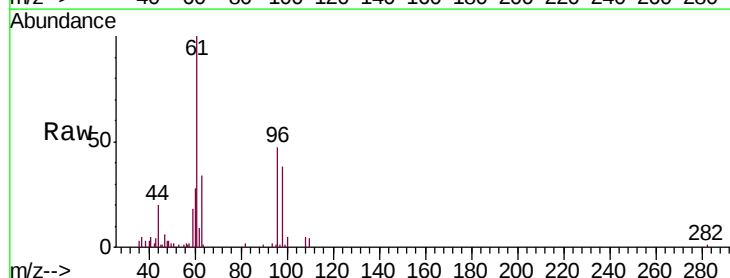
Tgt Ion: 96 Resp: 11347

Ion Ratio Lower Upper

96 100

61 218.2 157.3 235.9

98 83.5 50.2 75.4#



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

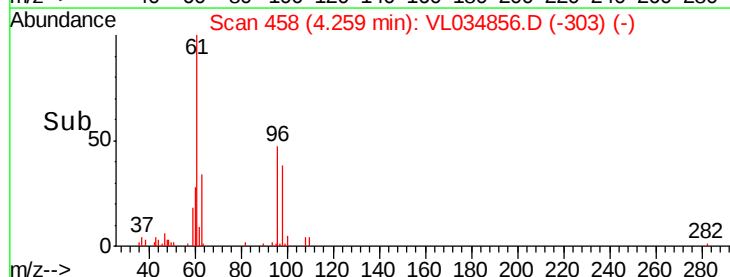
30000

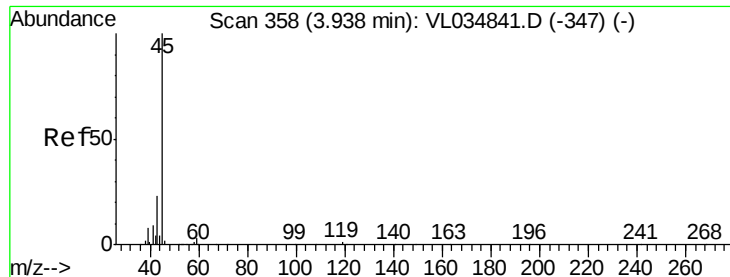
20000

10000

0

Time--> 4.22 4.24 4.26





#19

Isopropyl Alcohol

Concen: 0.582 ppbv

RT: 3.95 min Scan# 363

Delta R.T. 0.02 min

Lab File: VL034856.D

Acq: 10 Mar 2020 2:28

Instrument :

MSVOA_L

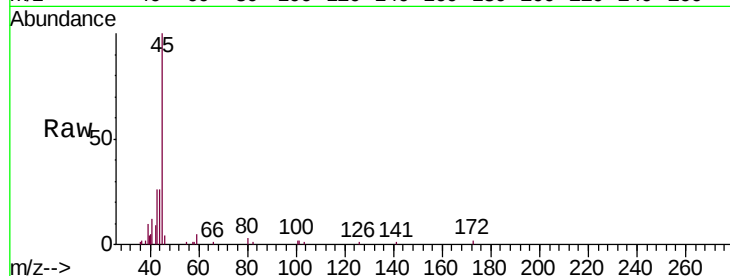
ClientSampleId :

Tgt Ion: 45 Resp: 41727

Ion Ratio Lower Upper

45 100

58 3.8 30.5 45.7#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.95

25000

20000

15000

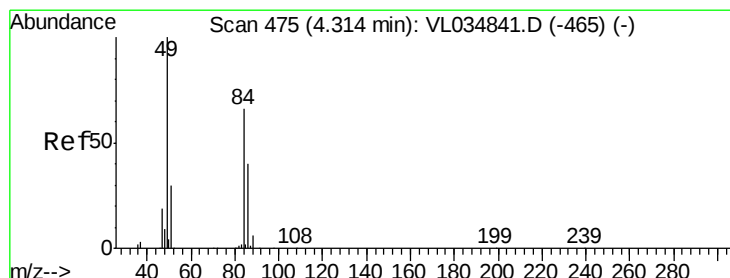
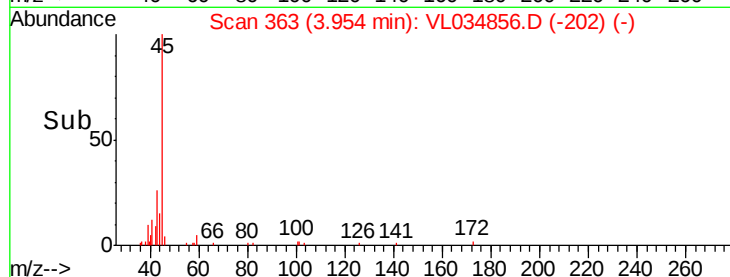
10000

5000

0

Time-->

3.90 3.95 4.00



#20

Methylene Chloride

Concen: 0.386 ppbv

RT: 4.32 min Scan# 476

Delta R.T. 0.00 min

Lab File: VL034856.D

Acq: 10 Mar 2020 2:28

Tgt Ion: 84 Resp: 13864

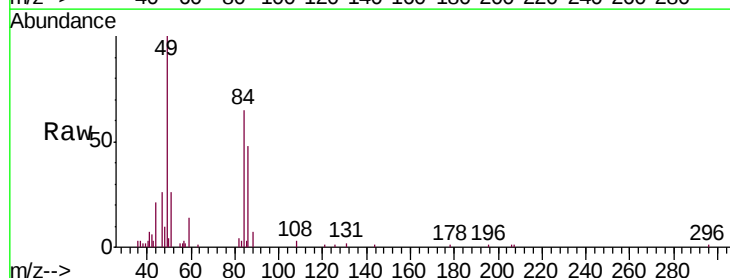
Ion Ratio Lower Upper

84 100

49 151.1 121.5 182.3

51 39.0 36.6 55.0

86 74.4 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

30000

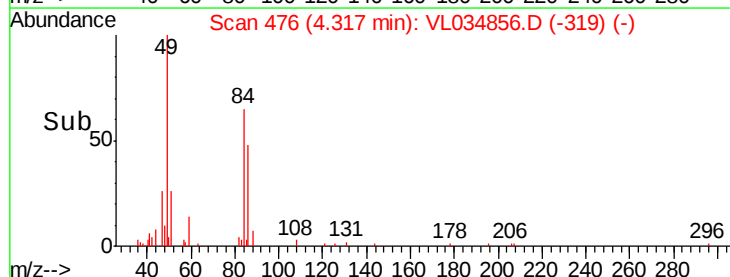
20000

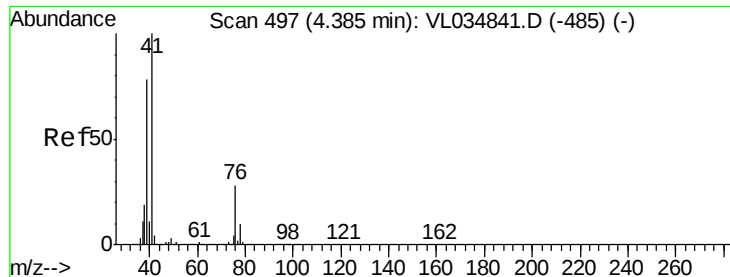
10000

0

Time-->

4.28 4.30 4.32

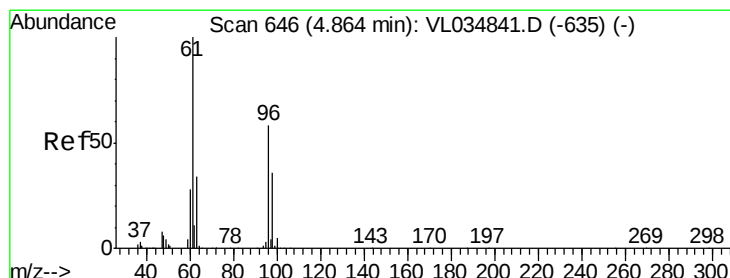
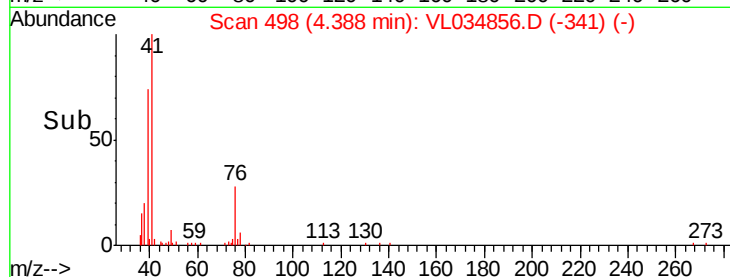
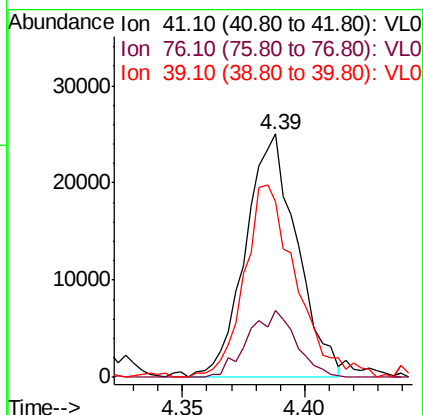
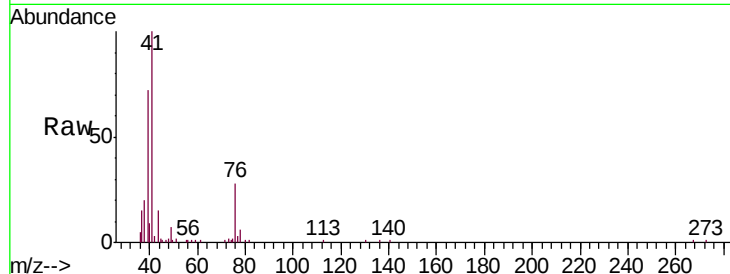




#21
 Allyl Chloride
 Concen: 0.502 ppbv
 RT: 4.39 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VL034856.D
 Acq: 10 Mar 2020 2:28

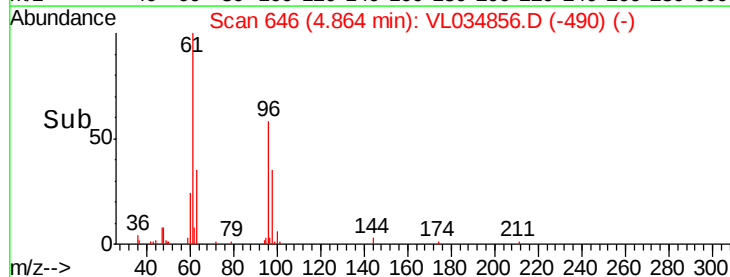
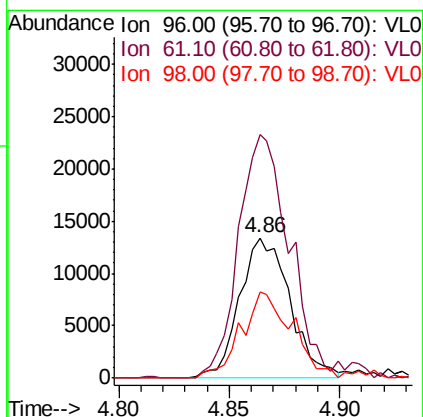
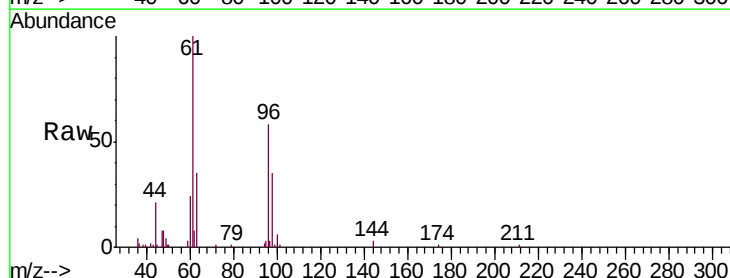
Instrument :
 MSVOA_L
 ClientSampleId :

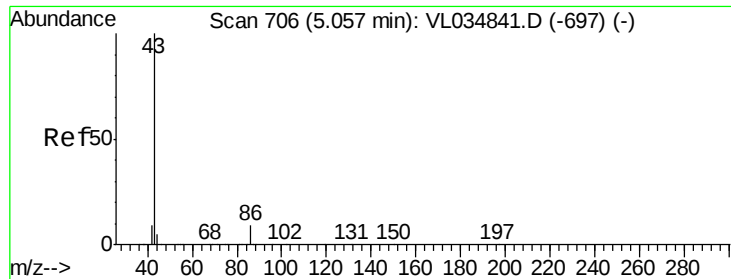
Tgt Ion: 41 Resp: 36645
 Ion Ratio Lower Upper
 41 100
 76 25.8 22.2 33.2
 39 82.0 62.6 93.8



#22
 trans-1,2-Dichloroethene
 Concen: 0.531 ppbv
 RT: 4.86 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: VL034856.D
 Acq: 10 Mar 2020 2:28

Tgt Ion: 96 Resp: 21299
 Ion Ratio Lower Upper
 96 100
 61 166.0 139.0 208.6
 98 59.8 50.3 75.5





#23

Vinyl Acetate

Concen: 0.521 ppbv

RT: 5.06 min Scan# 706

Delta R.T. 0.00 min

Lab File: VL034856.D

Acq: 10 Mar 2020 2:28

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 43 Resp: 87383

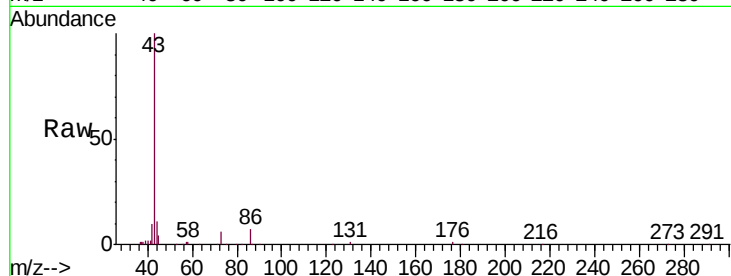
Ion Ratio Lower Upper

43 100

86 7.5 6.3 9.5

42 9.7 7.8 11.8

44 10.4 4.0 6.0#

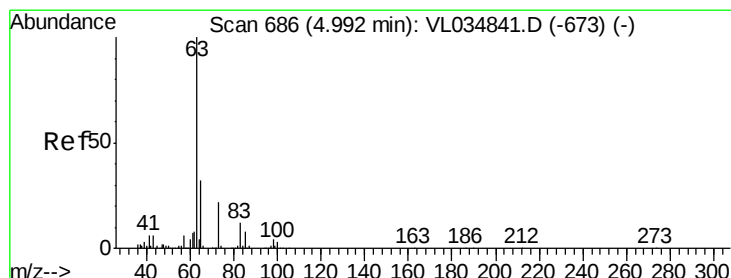
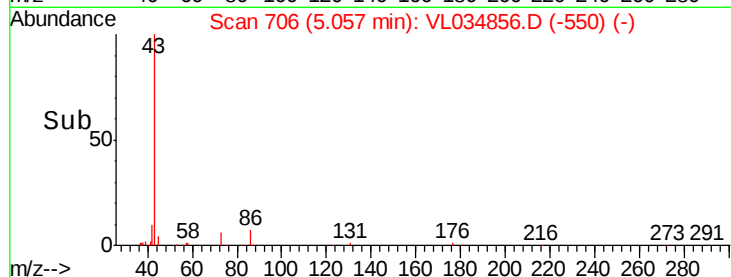
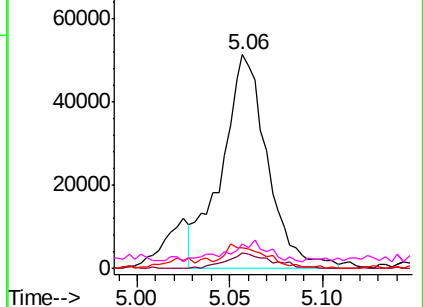


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.549 ppbv

RT: 4.99 min Scan# 685

Delta R.T. -0.00 min

Lab File: VL034856.D

Acq: 10 Mar 2020 2:28

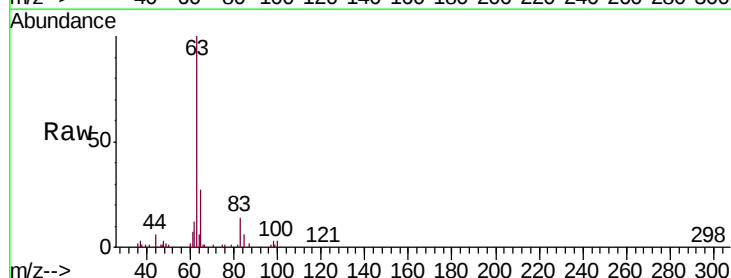
Tgt Ion: 63 Resp: 61771

Ion Ratio Lower Upper

63 100

98 3.1 2.0 5.8

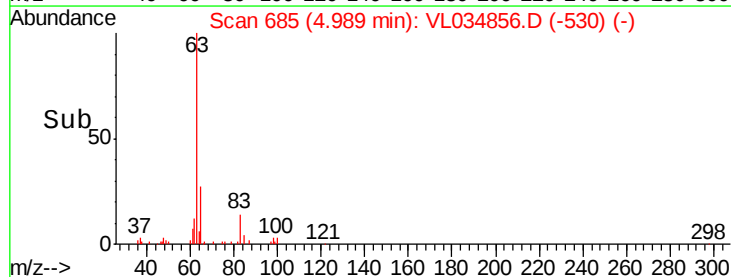
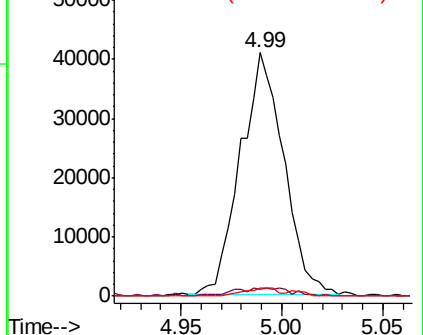
100 3.5 1.4 4.0

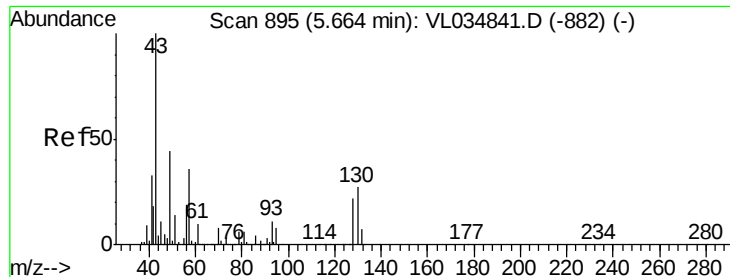


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

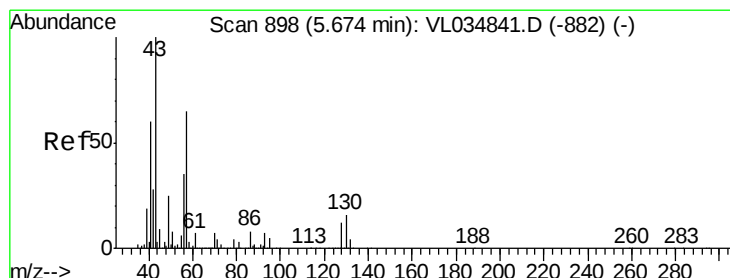
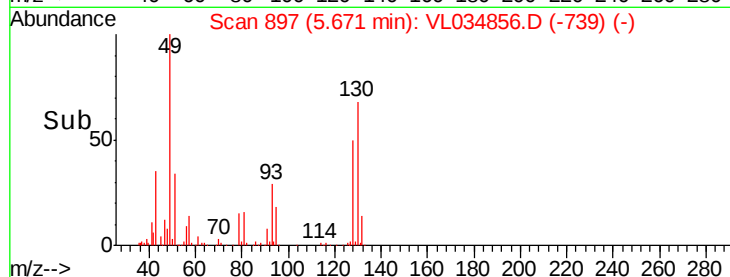
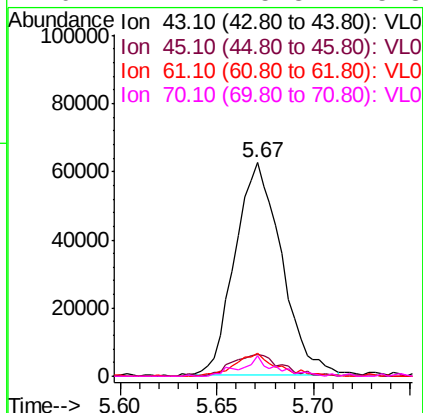
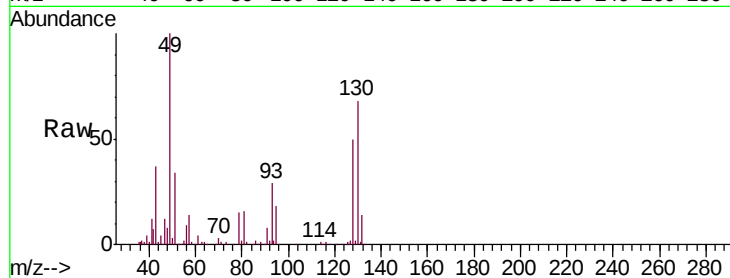




#25
Ethyl Acetate
Concen: 0.511 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL034856.D
Acq: 10 Mar 2020 2:28

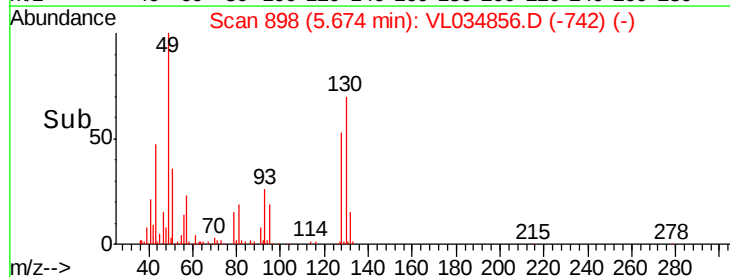
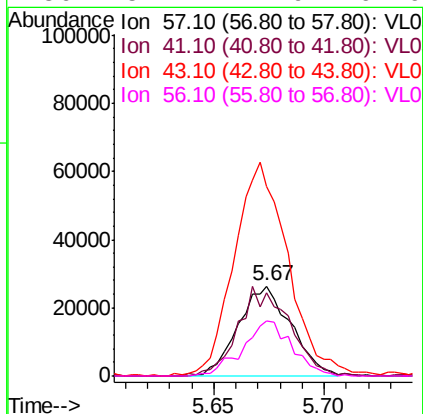
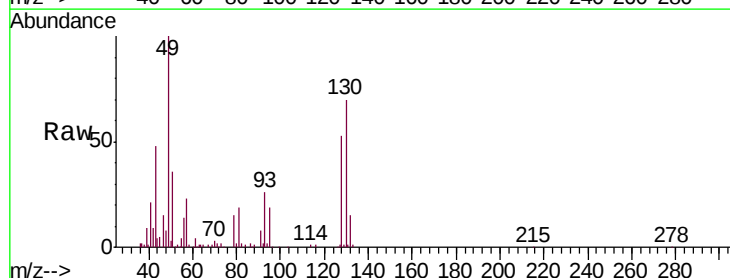
Instrument :
MSVOA_L
ClientSampleId :

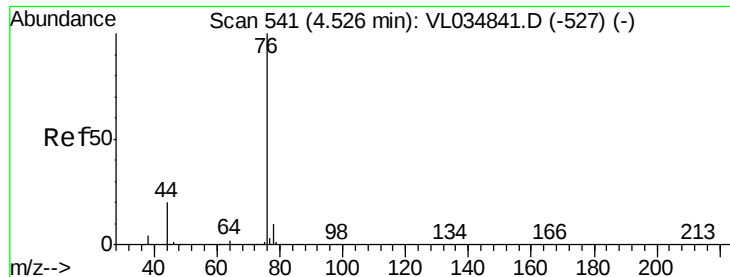
Tgt Ion:	43	Resp:	103483
Ion	Ratio	Lower	Upper
43	100		
45	11.3	8.2	12.2
61	10.1	7.8	11.6
70	7.2	5.8	8.8



#26
Hexane
Concen: 0.504 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL034856.D
Acq: 10 Mar 2020 2:28

Tgt Ion:	57	Resp:	43877
Ion	Ratio	Lower	Upper
57	100		
41	96.4	72.6	109.0
43	248.0	183.8	275.6
56	57.2	41.9	62.9





#27

Carbon Disulfide

Concen: 0.432 ppbv

RT: 4.53 min Scan# 541

Delta R.T. 0.00 min

Lab File: VL034856.D

Acq: 10 Mar 2020 2:28

Instrument :

MSVOA_L

ClientSampleId :

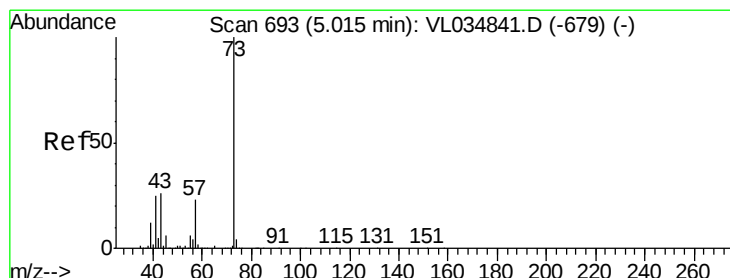
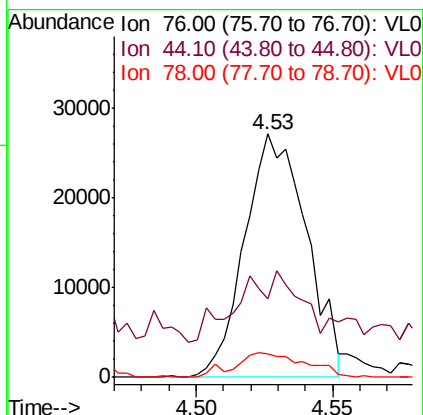
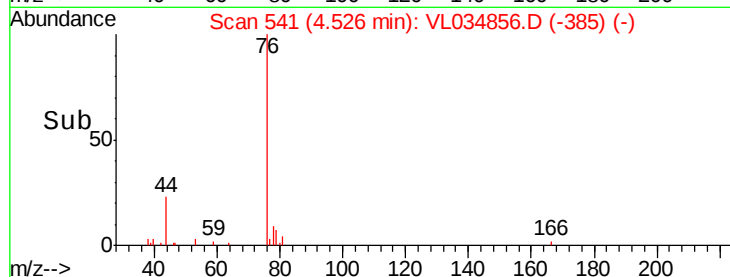
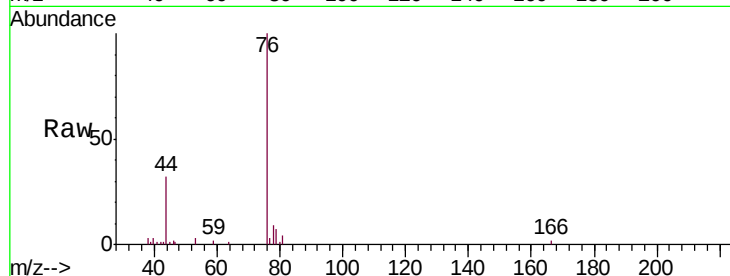
Tgt Ion: 76 Resp: 42674

Ion Ratio Lower Upper

76 100

44 37.3 16.2 24.2#

78 11.5 7.8 11.6



#28

Methyl tert-Butyl Ether

Concen: 0.479 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.01 min

Lab File: VL034856.D

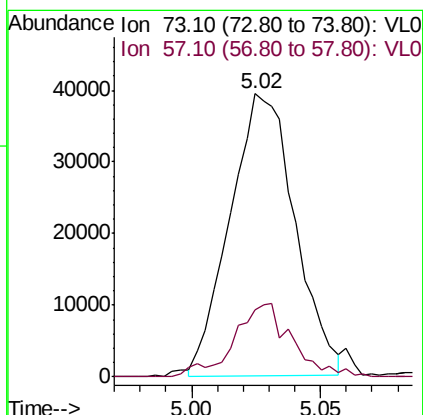
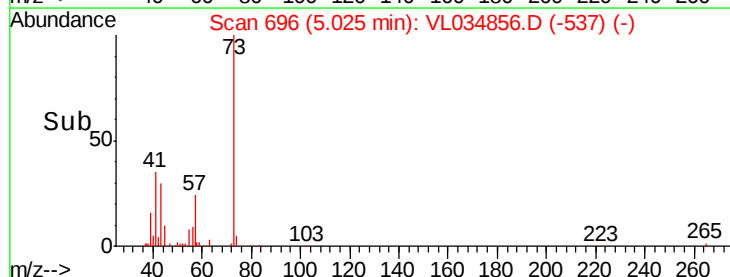
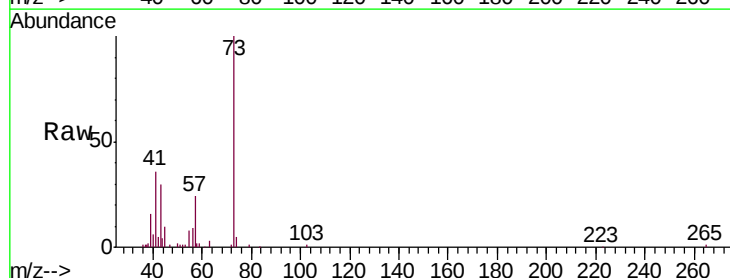
Acq: 10 Mar 2020 2:28

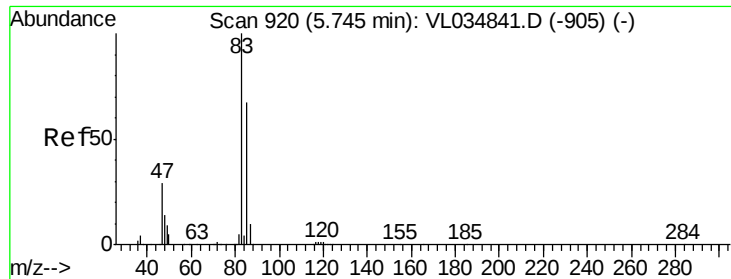
Tgt Ion: 73 Resp: 69375

Ion Ratio Lower Upper

73 100

57 23.2 18.3 27.5

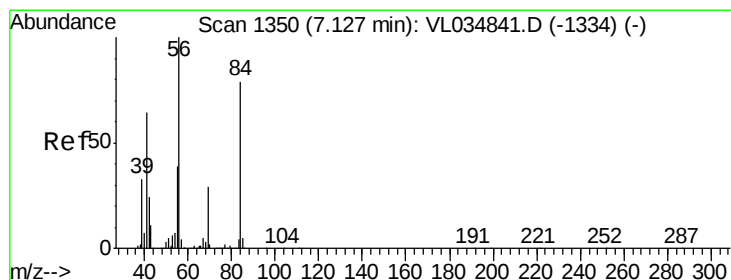
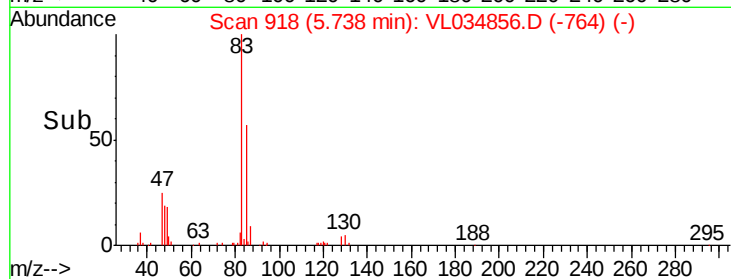
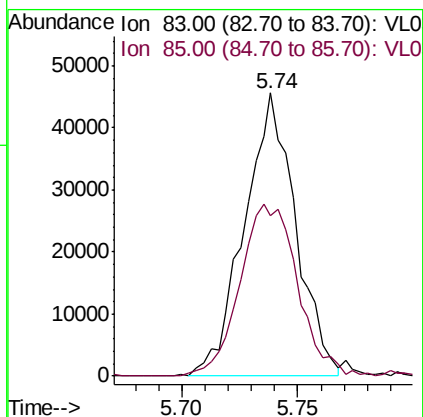
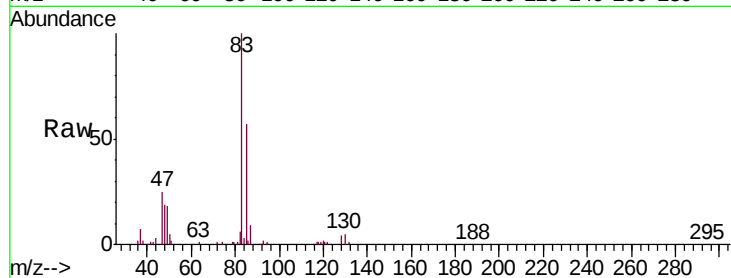




#29
Chloroform
Concen: 0.527 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.01 min
Lab File: VL034856.D
Acq: 10 Mar 2020 2:28

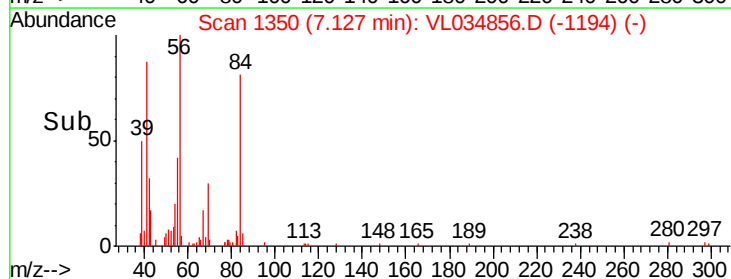
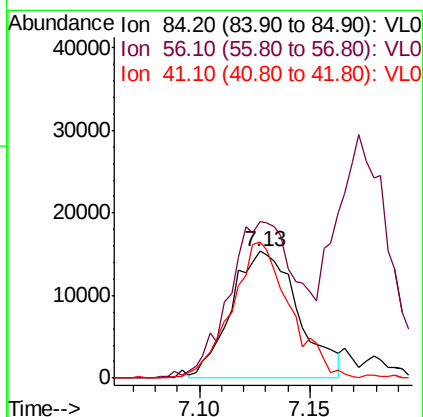
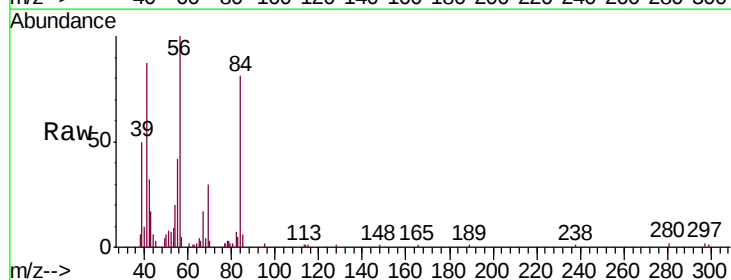
Instrument :
MSVOA_L
ClientSampleId :

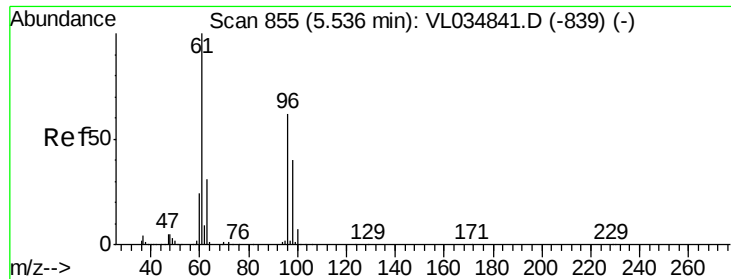
Tgt Ion: 83 Resp: 70008
Ion Ratio Lower Upper
83 100
85 55.4 53.8 80.6



#30
Cyclohexane
Concen: 0.445 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VL034856.D
Acq: 10 Mar 2020 2:28

Tgt Ion: 84 Resp: 32321
Ion Ratio Lower Upper
84 100
56 128.9 110.5 165.7
41 94.7 68.2 102.4



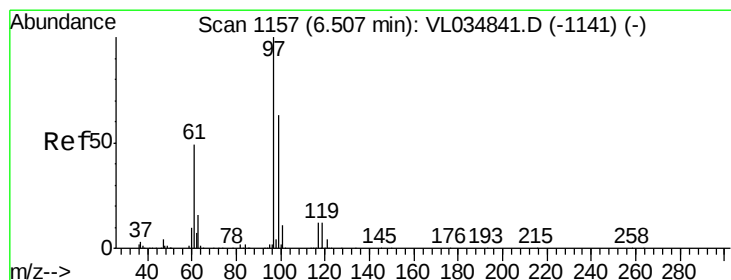
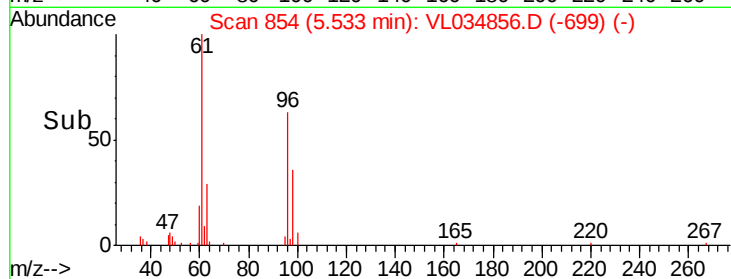
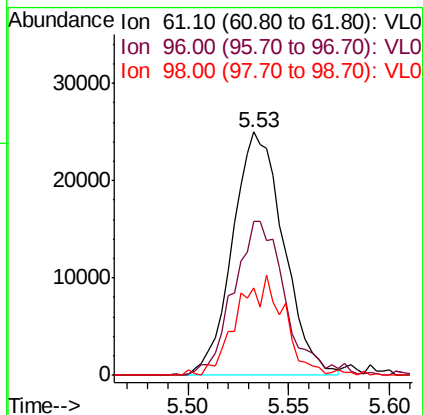
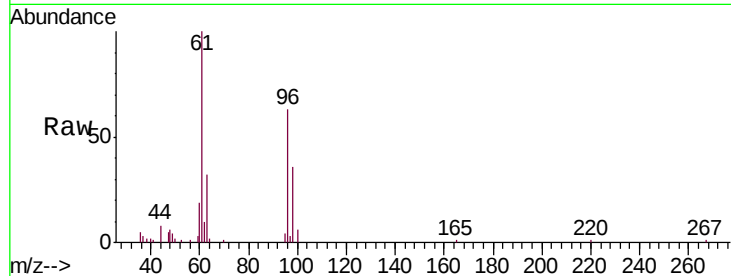


#31

cis-1,2-Dichloroethene
 Concen: 0.497 ppbv
 RT: 5.53 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: VL034856.D
 Acq: 10 Mar 2020 2:28

Instrument :
 MSVOA_L
 ClientSampleId :

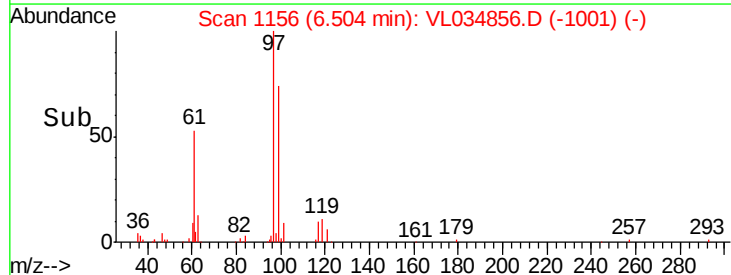
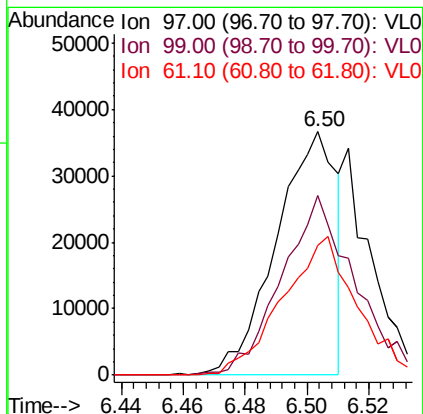
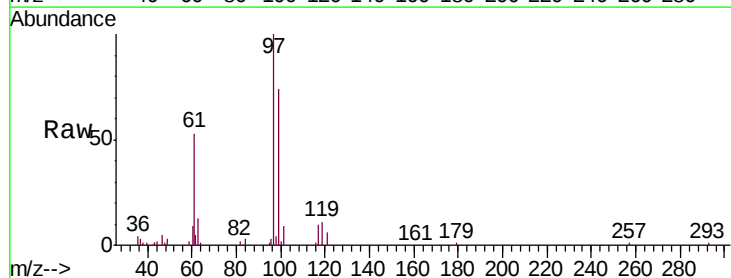
Tgt Ion	Ratio	Lower	Upper
61	100		
96	62.7	49.8	74.8
98	33.3	32.2	48.4

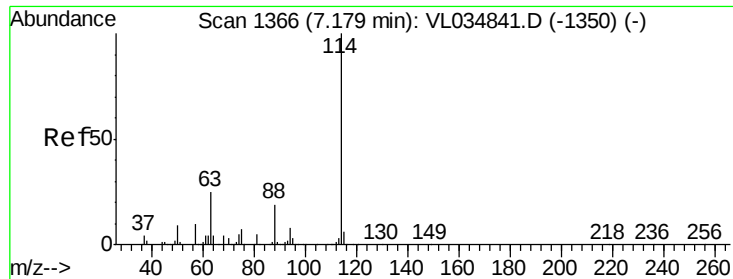


#32

1,1,1-Trichloroethane
 Concen: 0.381 ppbv
 RT: 6.50 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: VL034856.D
 Acq: 10 Mar 2020 2:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	89.7	51.1	76.7#
61	70.3	39.7	59.5#

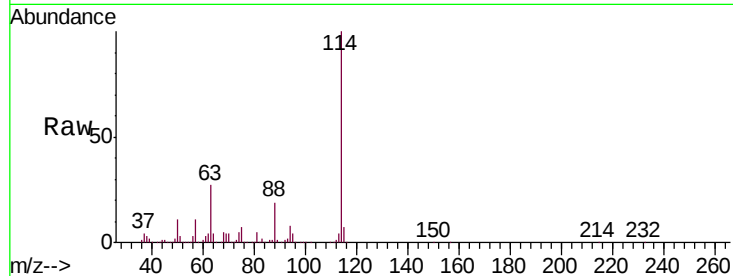




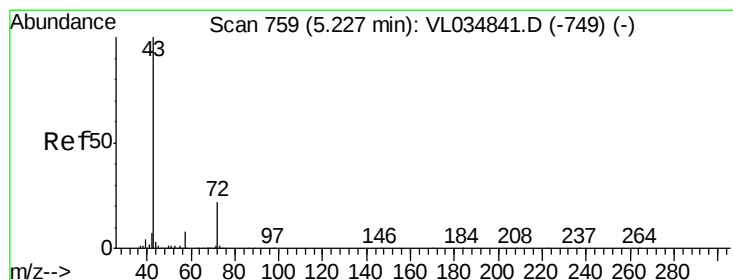
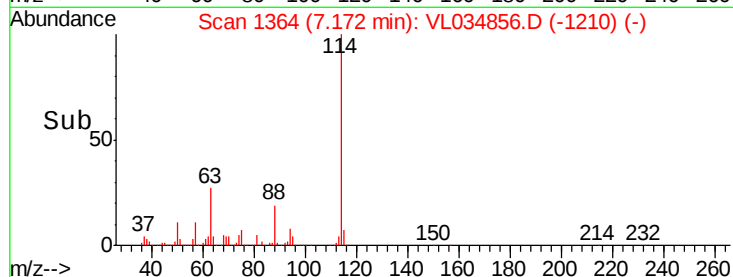
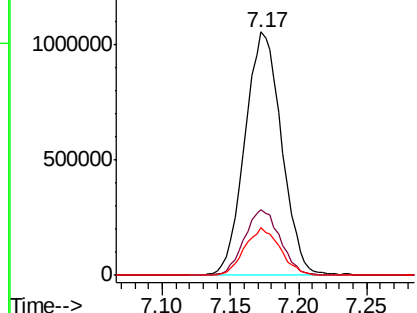
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VL034856.D
 Acq: 10 Mar 2020 2:28

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion:114 Resp: 1975131
 Ion Ratio Lower Upper
 114 100
 63 26.5 20.6 31.0
 88 18.9 15.0 22.6

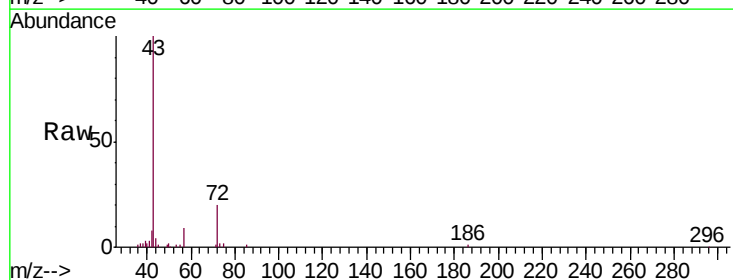


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

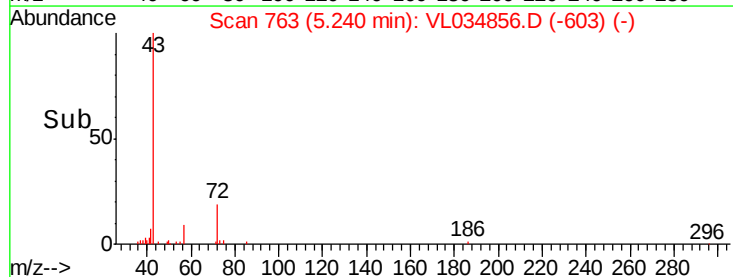
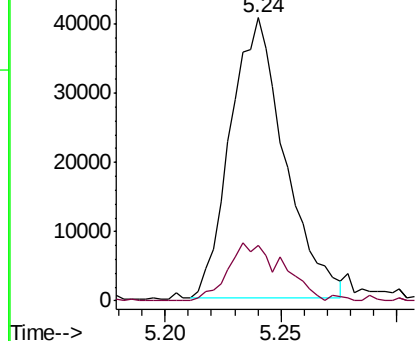


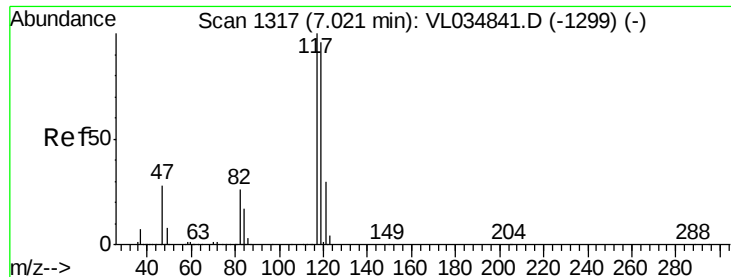
#34
 2-Butanone
 Concen: 0.504 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VL034856.D
 Acq: 10 Mar 2020 2:28

Tgt Ion: 43 Resp: 66176
 Ion Ratio Lower Upper
 43 100
 72 21.5 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: 0.540 ppbv

RT: 7.01 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VL034856.D

Acq: 10 Mar 2020 2:28

Instrument :

MSVOA_L

ClientSampleId :

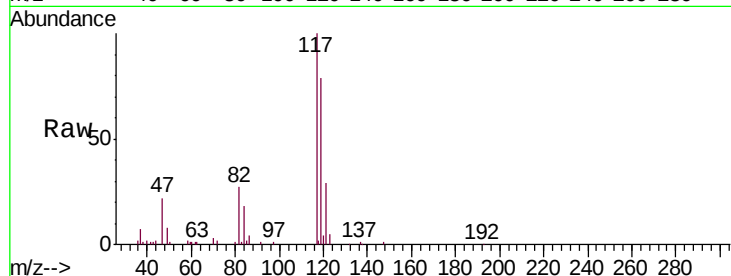
Tgt Ion:117 Resp: 66280

Ion Ratio Lower Upper

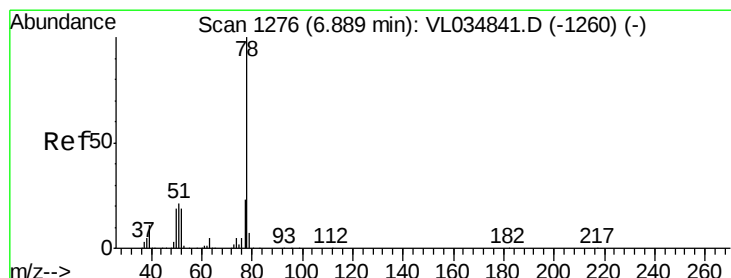
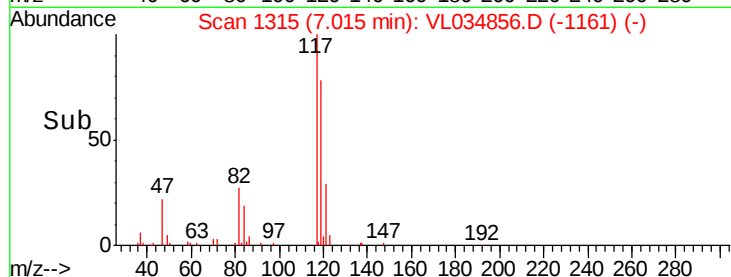
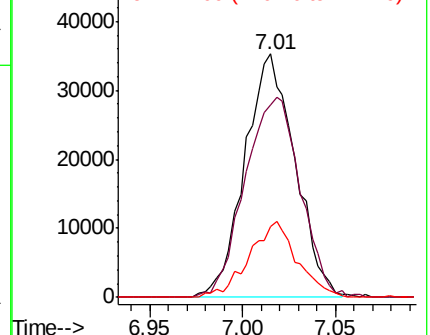
117 100

119 79.3 77.0 115.4

121 29.2 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: 0.495 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VL034856.D

Acq: 10 Mar 2020 2:28

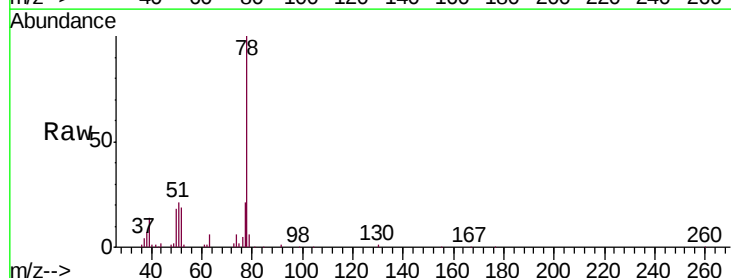
Tgt Ion: 78 Resp: 87167

Ion Ratio Lower Upper

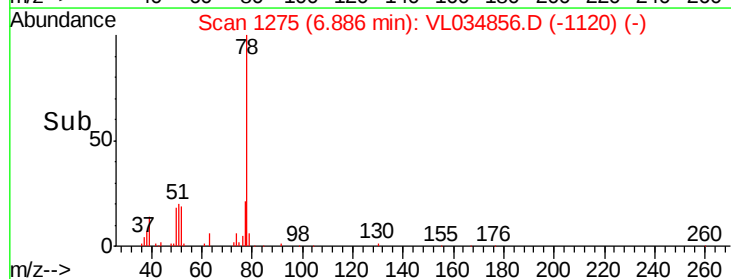
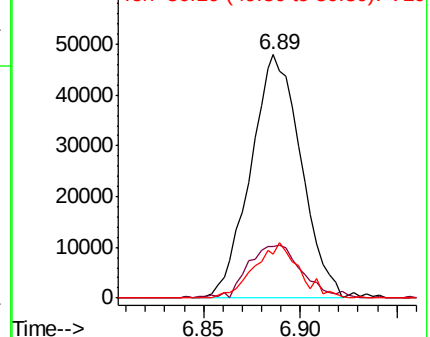
78 100

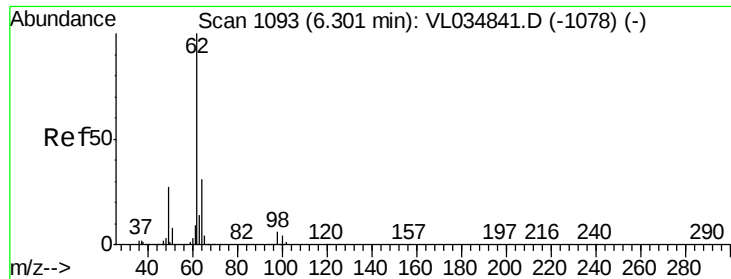
77 21.4 18.2 27.2

50 18.1 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

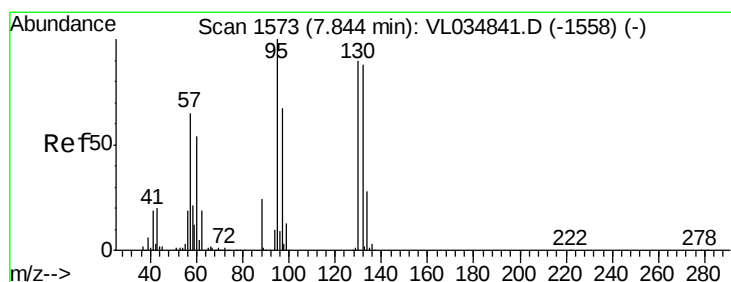
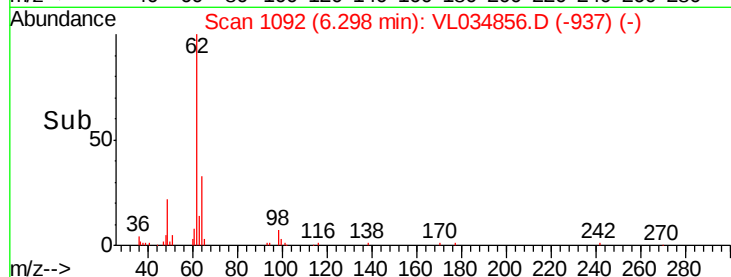
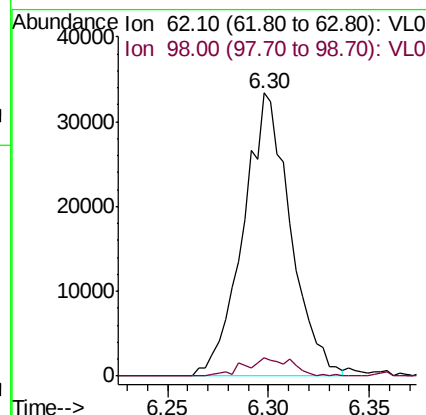
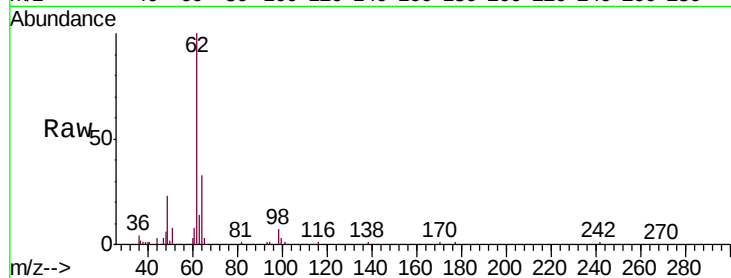




#37
 1,2-Dichloroethane
 Concen: 0.552 ppbv
 RT: 6.30 min Scan# 1092
 Delta R.T. -0.00 min
 Lab File: VL034856.D
 Acq: 10 Mar 2020 2:28

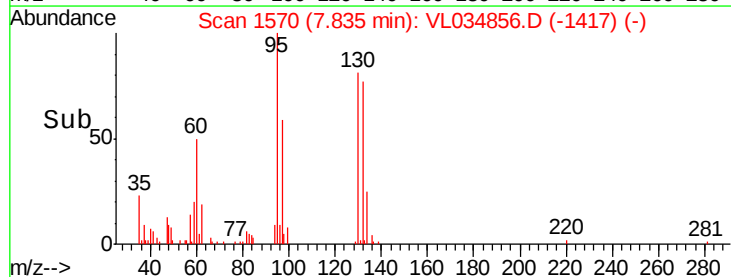
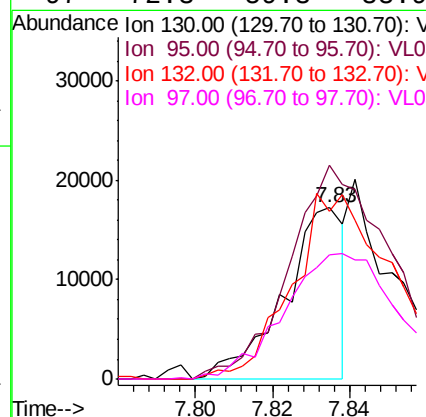
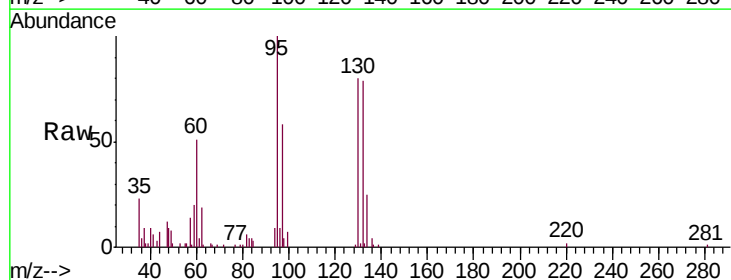
Instrument :
 MSVOA_L
 ClientSampleId :

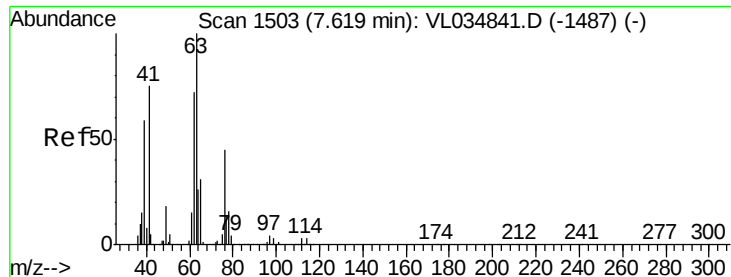
Tgt Ion: 62 Resp: 54748
 Ion Ratio Lower Upper
 62 100
 98 6.6 5.2 7.8



#38
 Trichloroethene
 Concen: 0.276 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VL034856.D
 Acq: 10 Mar 2020 2:28

Tgt Ion: 130 Resp: 18484
 Ion Ratio Lower Upper
 130 100
 95 124.5 88.5 132.7
 132 98.1 78.0 117.0
 97 72.3 59.3 88.9





#39

1,2-Dichloropropane

Concen: 0.494 ppbv

RT: 7.62 min Scan# 1502

Delta R.T. -0.00 min

Lab File: VL034856.D

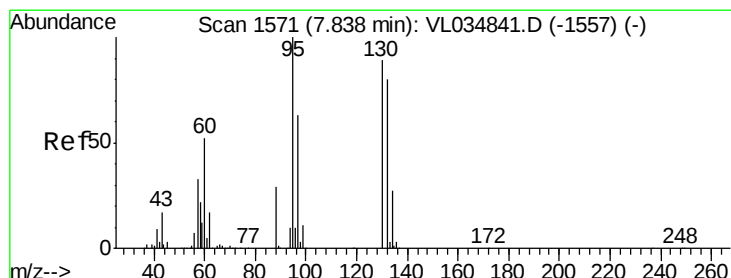
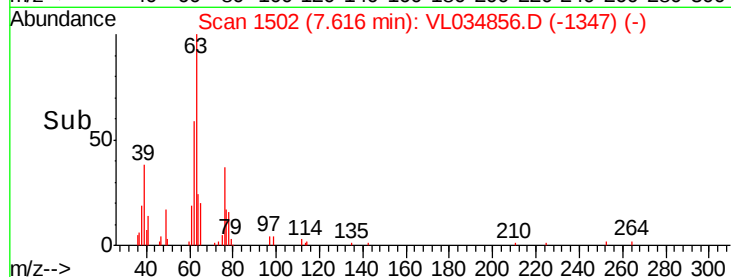
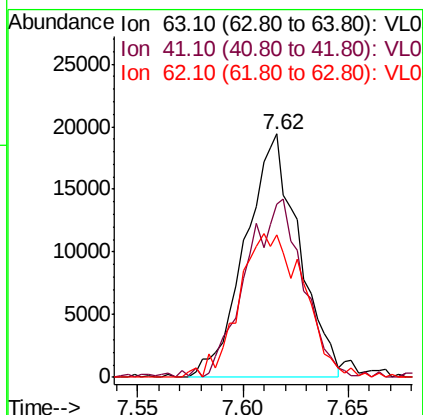
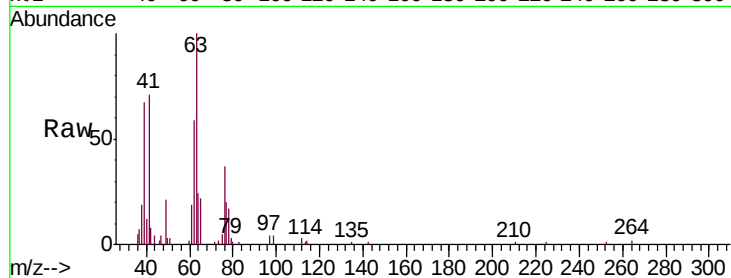
Acq: 10 Mar 2020 2:28

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	63	Resp:	34489
Ion	Ratio	Lower	Upper
63	100		
41	70.3	59.8	89.8
62	56.0	57.6	86.4#



#40

1,4-Dioxane

Concen: 0.082 ppbv

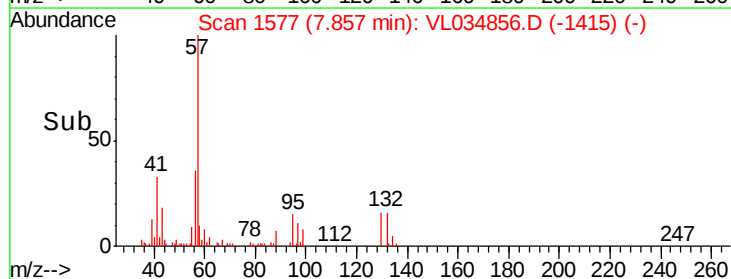
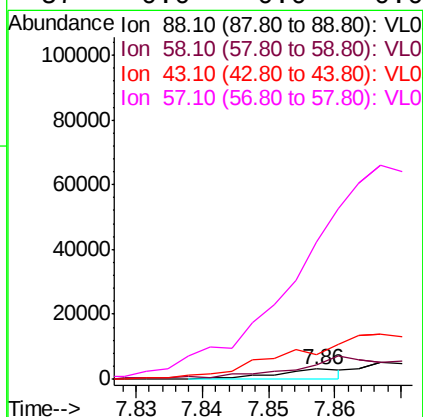
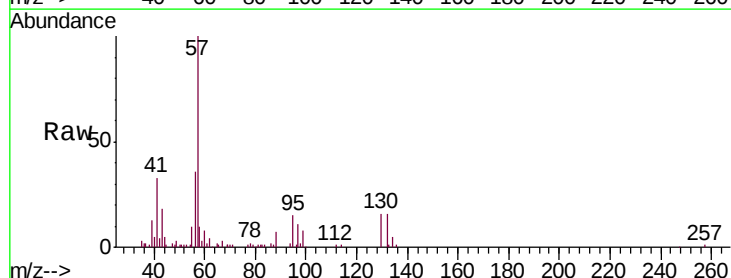
RT: 7.86 min Scan# 1577

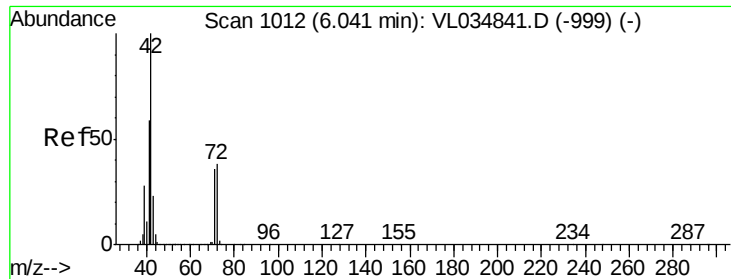
Delta R.T. 0.02 min

Lab File: VL034856.D

Acq: 10 Mar 2020 2:28

Tgt Ion:	88	Resp:	2157
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





#41

Tetrahydrofuran

Concen: 0.122 ppbv

RT: 6.05 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VL034856.D

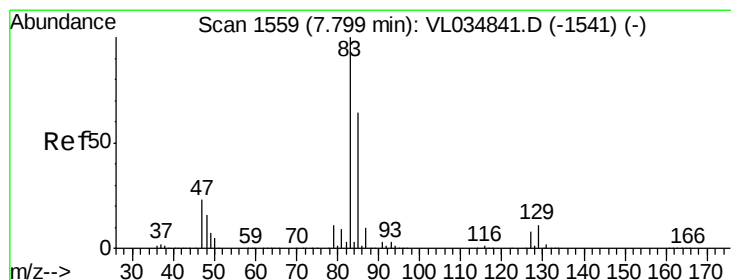
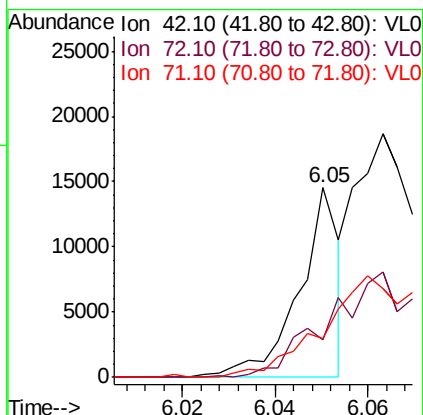
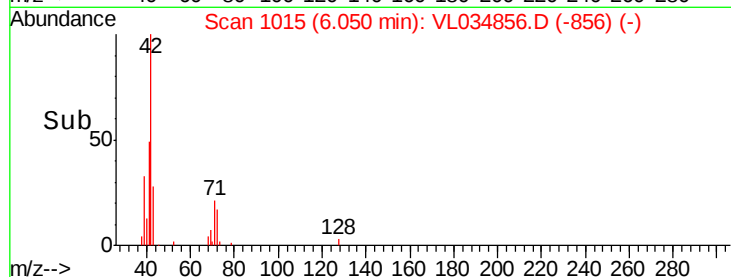
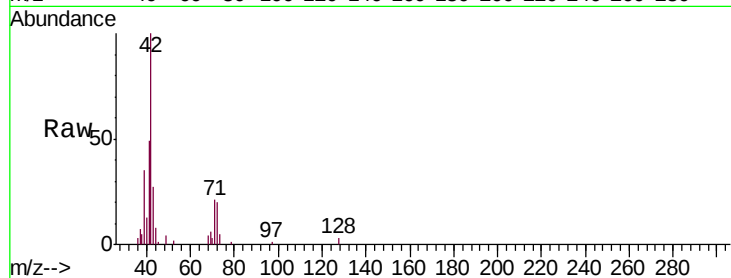
Acq: 10 Mar 2020 2:28

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	42	Resp:	8695
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.8	46.2#
71	0.0	30.1	45.1#



#42

Bromodichloromethane

Concen: 0.492 ppbv

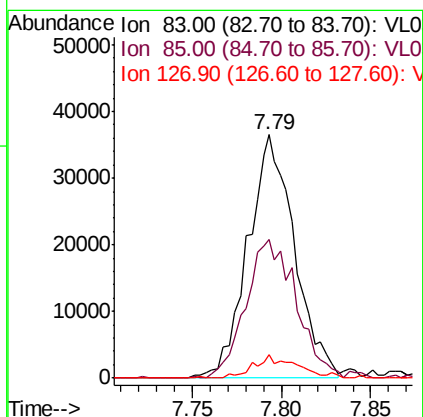
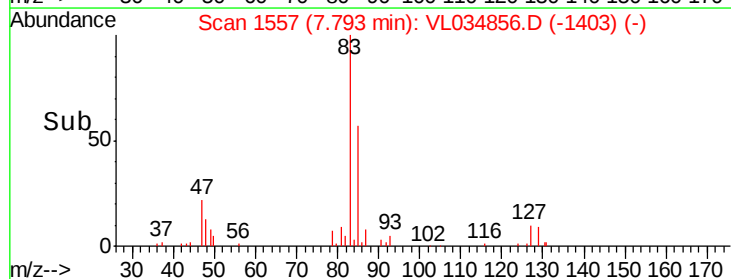
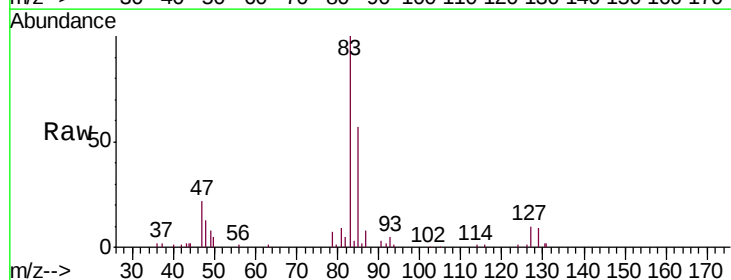
RT: 7.79 min Scan# 1557

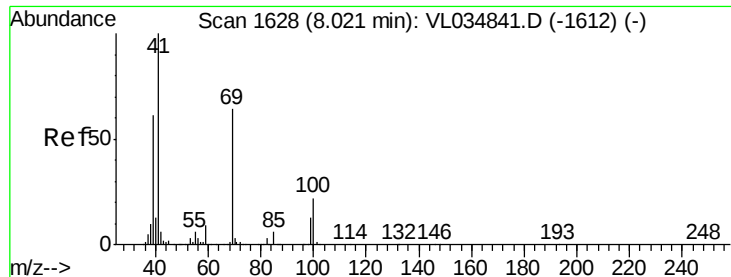
Delta R.T. -0.01 min

Lab File: VL034856.D

Acq: 10 Mar 2020 2:28

Tgt Ion:	83	Resp:	66547
Ion	Ratio	Lower	Upper
83	100		
85	56.8	51.4	77.2
127	9.9	6.2	9.4#

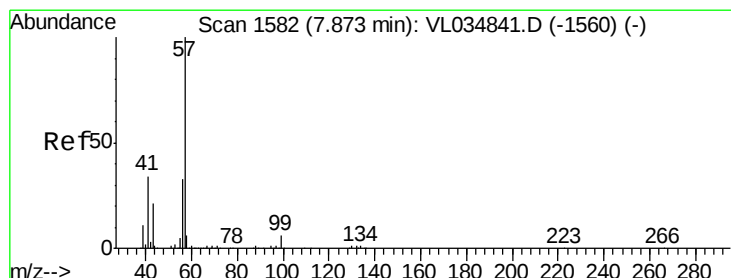
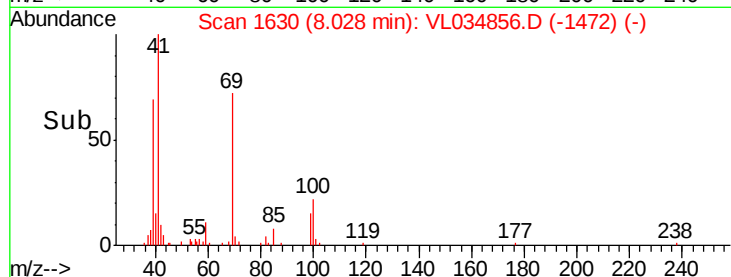
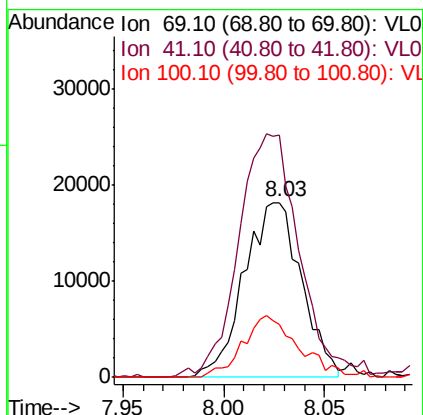
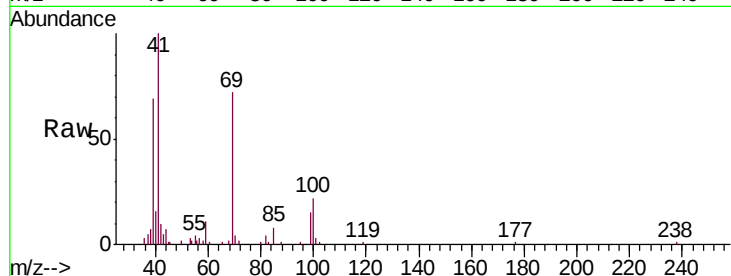




#43
Methyl Methacrylate
Concen: 0.486 ppbv
RT: 8.03 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VL034856.D
Acq: 10 Mar 2020 2:28

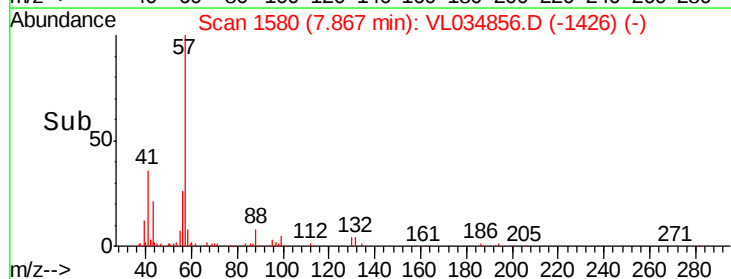
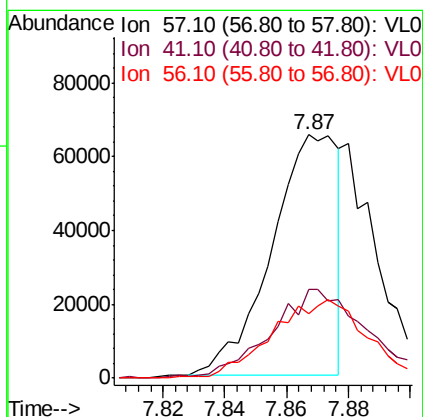
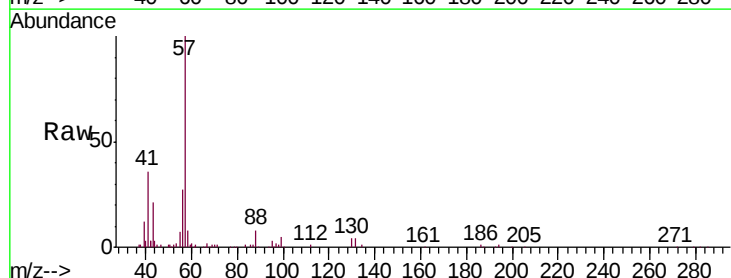
Instrument :
MSVOA_L
ClientSampleId :

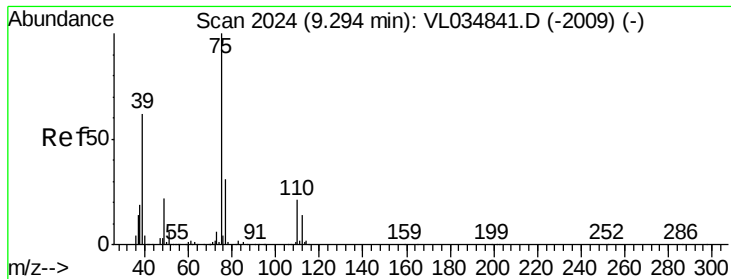
Tgt Ion: 69 Resp: 36043
Ion Ratio Lower Upper
69 100
41 148.0 123.2 184.8
100 34.7 26.9 40.3



#44
2,2,4-Trimethylpentane
Concen: 0.328 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. -0.01 min
Lab File: VL034856.D
Acq: 10 Mar 2020 2:28

Tgt Ion: 57 Resp: 97494
Ion Ratio Lower Upper
57 100
41 53.6 26.2 39.4#
56 47.0 25.0 37.4#

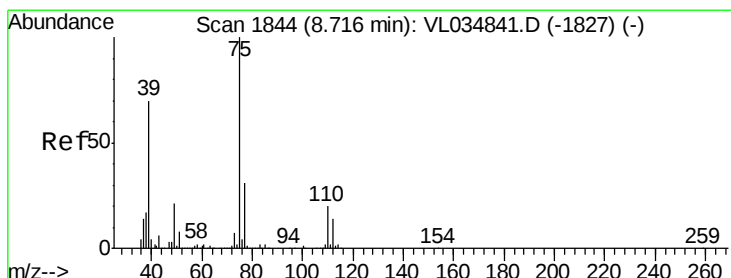
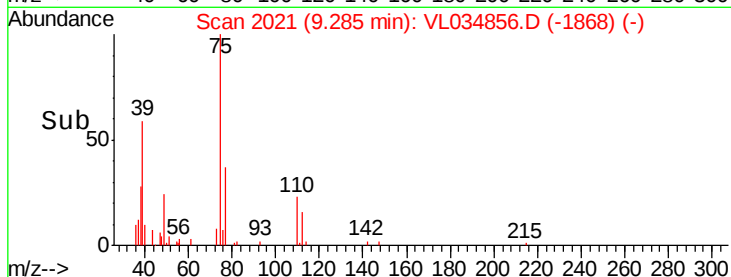
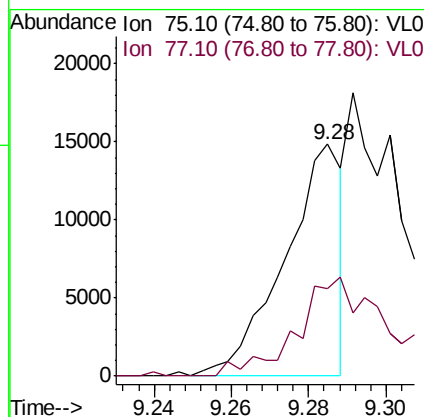
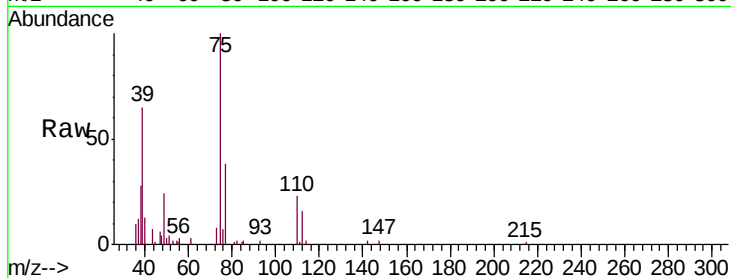




#45
t-1,3-Dichloropropene
Concen: 0.175 ppbv
RT: 9.28 min Scan# 2021
Delta R.T. -0.01 min
Lab File: VL034856.D
Acq: 10 Mar 2020 2:28

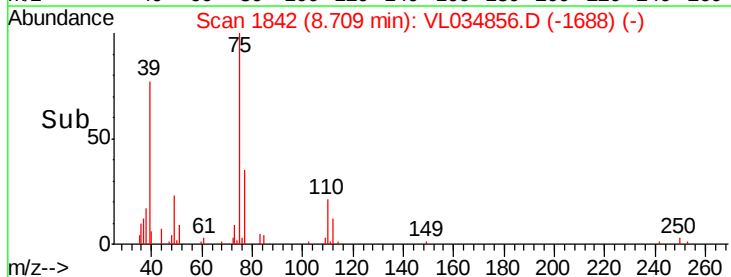
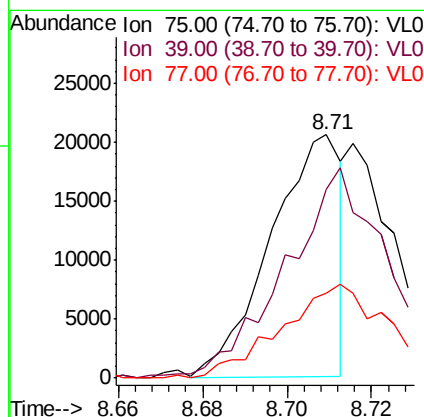
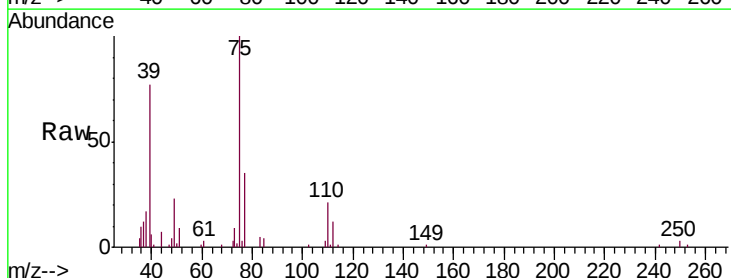
Instrument :
MSVOA_L
ClientSampleId :

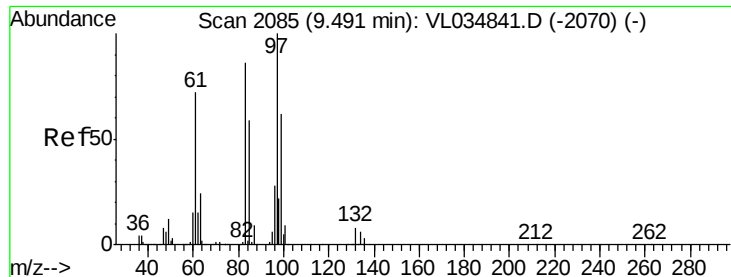
Tgt Ion: 75 Resp: 15262
Ion Ratio Lower Upper
75 100
77 37.8 24.6 37.0#



#46
cis-1,3-Dichloropropene
Concen: 0.232 ppbv
RT: 8.71 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VL034856.D
Acq: 10 Mar 2020 2:28

Tgt Ion: 75 Resp: 23976
Ion Ratio Lower Upper
75 100
39 76.4 55.7 83.5
77 35.3 24.7 37.1

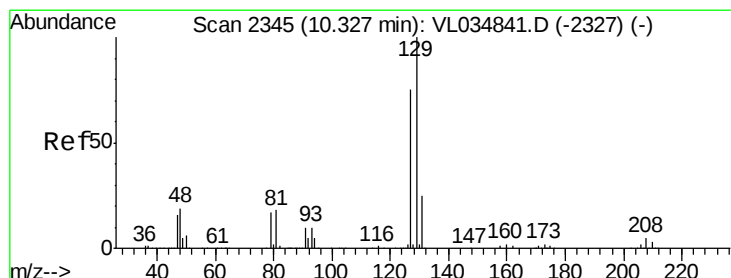
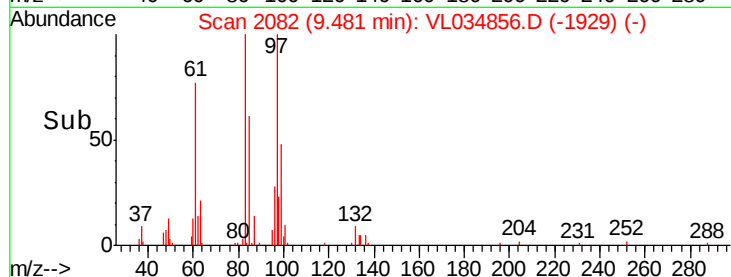
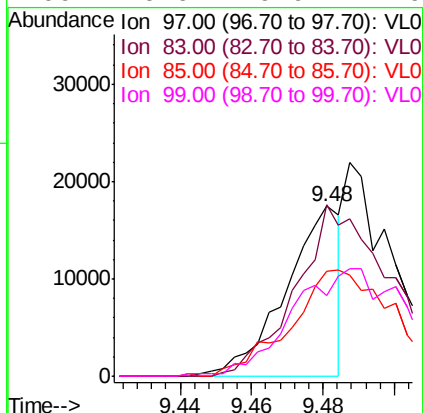
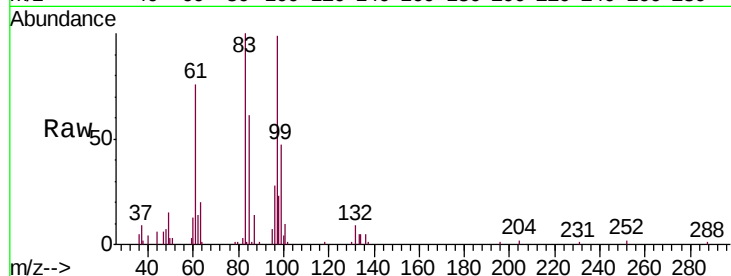




#47
 1,1,2-Trichloroethane
 Concen: 0.259 ppbv
 RT: 9.48 min Scan# 2082
 Delta R.T. -0.01 min
 Lab File: VL034856.D
 Acq: 10 Mar 2020 2:28

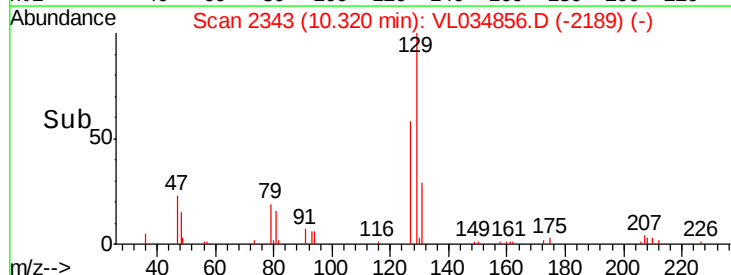
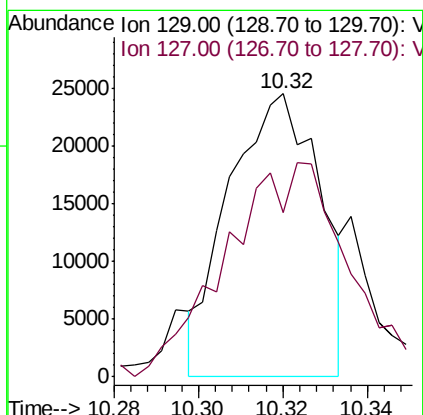
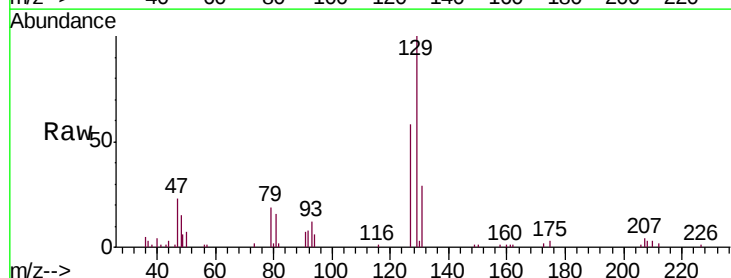
Instrument :
 MSVOA_L
 ClientSampleId :

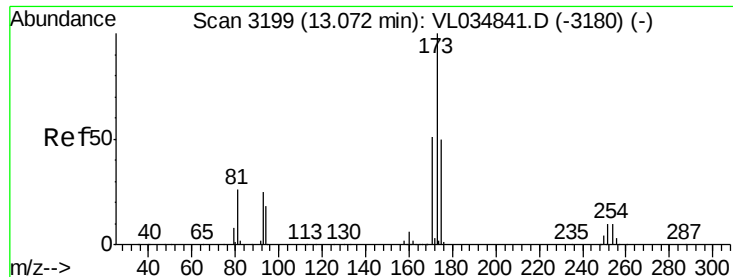
Tgt Ion: 97 Resp: 18551
 Ion Ratio Lower Upper
 97 100
 83 101.2 68.6 102.8
 85 59.6 46.9 70.3
 99 46.6 49.9 74.9#



#48
 Dibromochloromethane
 Concen: 0.320 ppbv
 RT: 10.32 min Scan# 2343
 Delta R.T. -0.01 min
 Lab File: VL034856.D
 Acq: 10 Mar 2020 2:28

Tgt Ion: 129 Resp: 37081
 Ion Ratio Lower Upper
 129 100
 127 102.5 39.6 118.7





#49

Bromoform

Concen: 0.400 ppbv

RT: 13.07 min Scan# 3198

Delta R.T. -0.00 min

Lab File: VL034856.D

Acq: 10 Mar 2020 2:28

Instrument :

MSVOA_L

ClientSampleId :

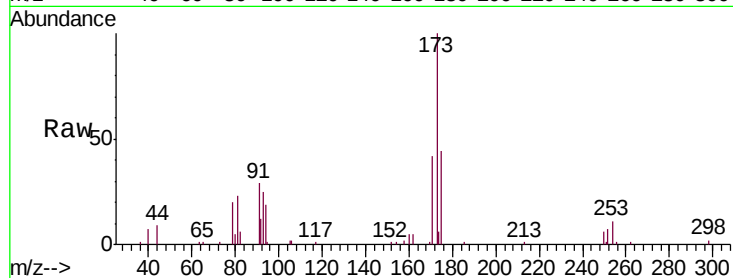
Tgt Ion:173 Resp: 41304

Ion Ratio Lower Upper

173 100

175 46.2 39.6 59.4

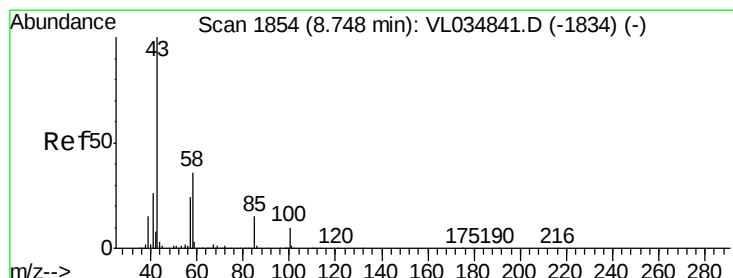
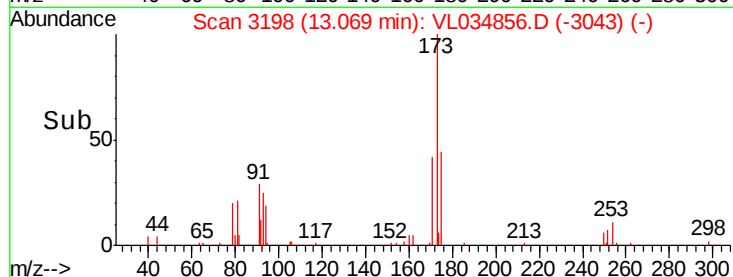
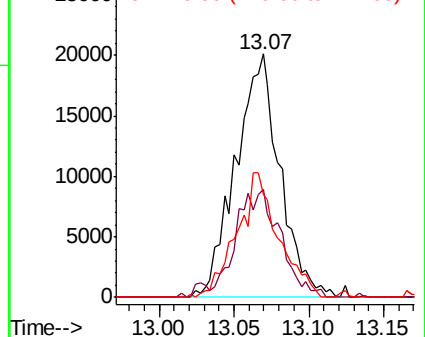
171 48.7 41.0 61.6



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: 0.491 ppbv

RT: 8.76 min Scan# 1858

Delta R.T. 0.01 min

Lab File: VL034856.D

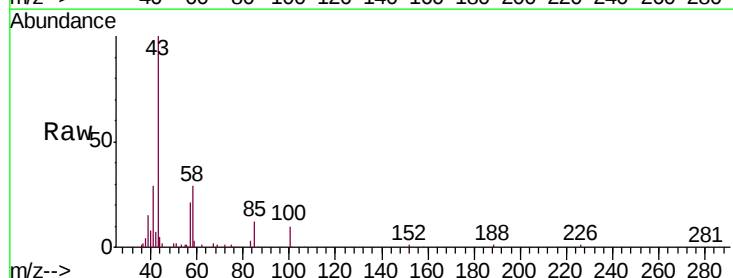
Acq: 10 Mar 2020 2:28

Tgt Ion: 43 Resp: 92852

Ion Ratio Lower Upper

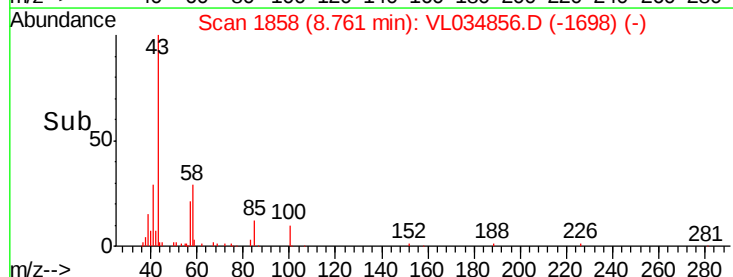
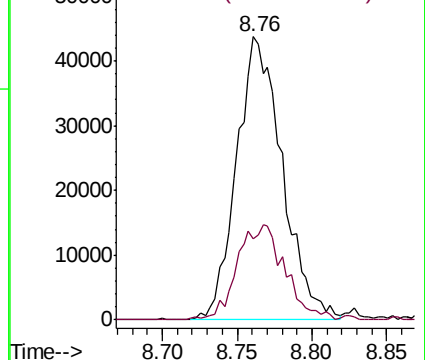
43 100

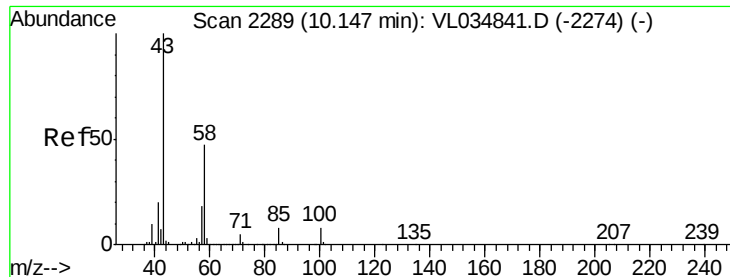
58 35.5 28.6 42.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 0.012 ppbv

RT: 10.13 min Scan# 2285

Delta R.T. -0.01 min

Lab File: VL034856.D

Acq: 10 Mar 2020 2:28

Instrument :

MSVOA_L

ClientSampled :

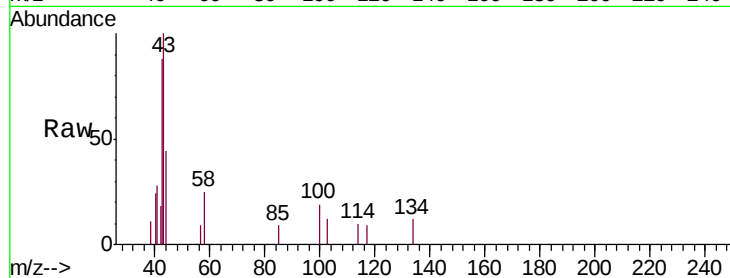
Tgt Ion: 43 Resp: 1780

Ion Ratio Lower Upper

43 100

58 0.0 38.6 58.0#

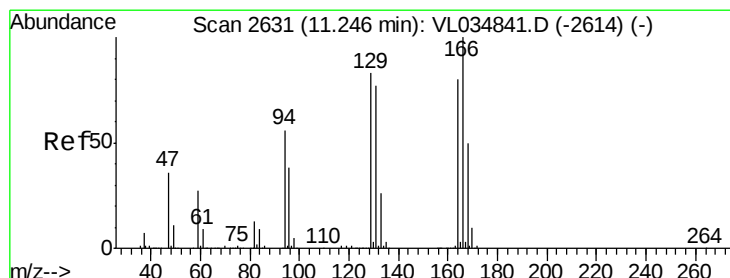
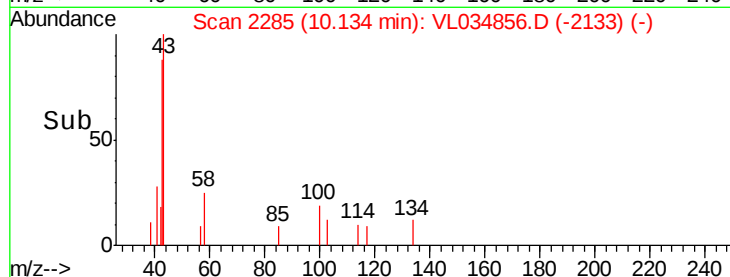
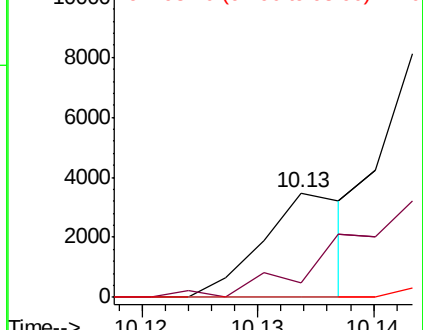
98 5.8 0.1 0.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 0.439 ppbv

RT: 11.24 min Scan# 2629

Delta R.T. -0.01 min

Lab File: VL034856.D

Acq: 10 Mar 2020 2:28

Tgt Ion: 164 Resp: 30603

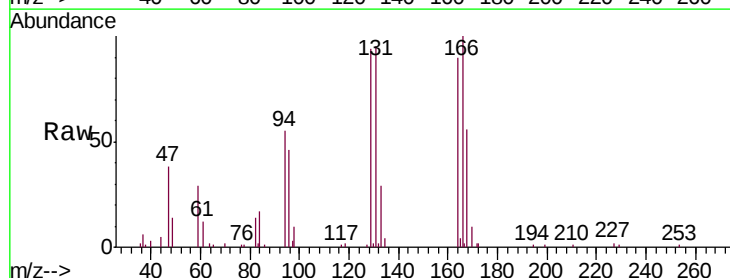
Ion Ratio Lower Upper

164 100

166 107.3 100.0 150.0

129 101.2 83.1 124.7

131 101.1 77.2 115.8

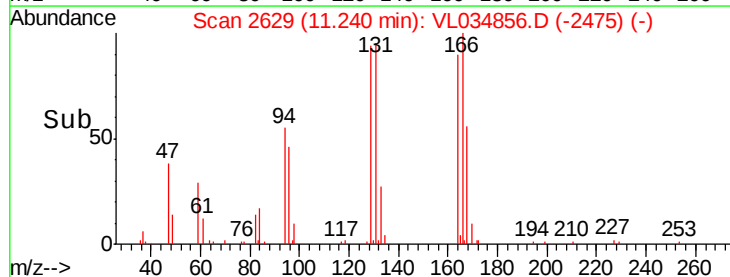
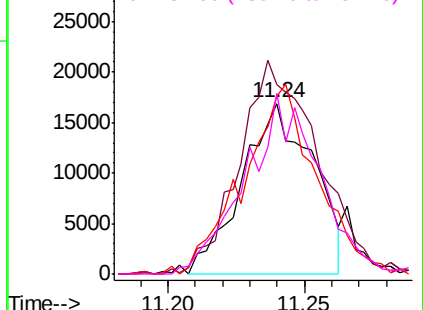


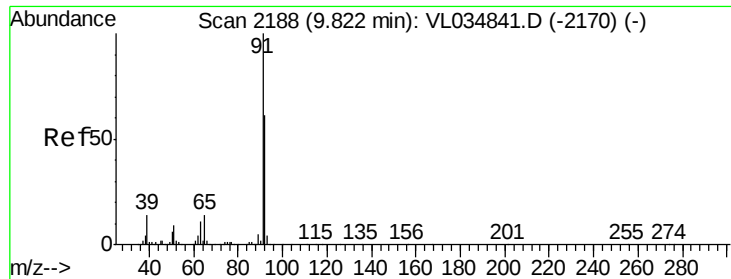
Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.433 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. -0.01 min

Lab File: VL034856.D

Acq: 10 Mar 2020 2:28

Instrument :

MSVOA_L

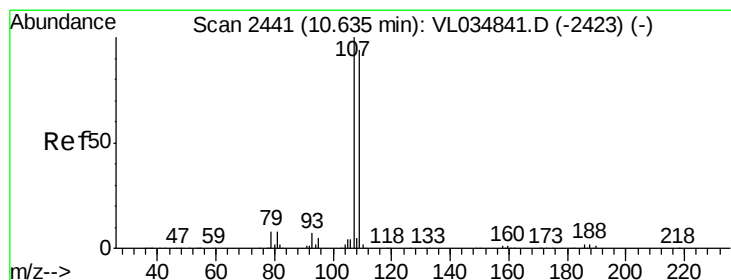
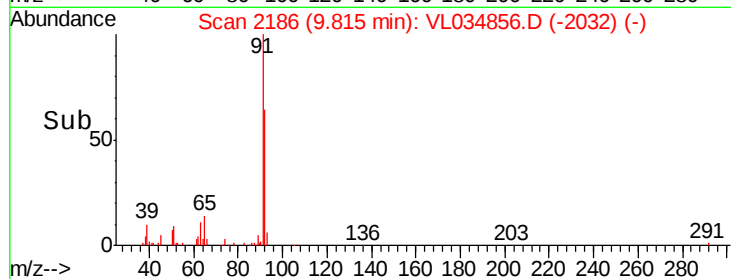
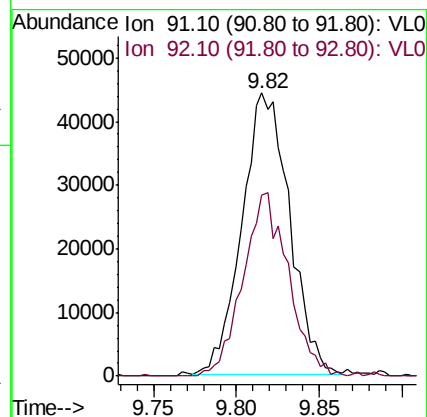
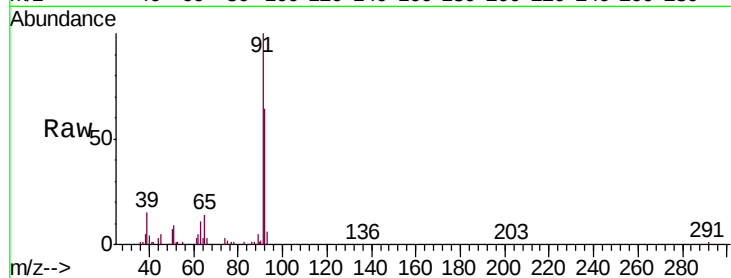
ClientSampleId :

Tgt Ion: 91 Resp: 88011

Ion Ratio Lower Upper

91 100

92 62.3 48.6 72.8



#54

1,2-Dibromoethane

Concen: 0.497 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. -0.01 min

Lab File: VL034856.D

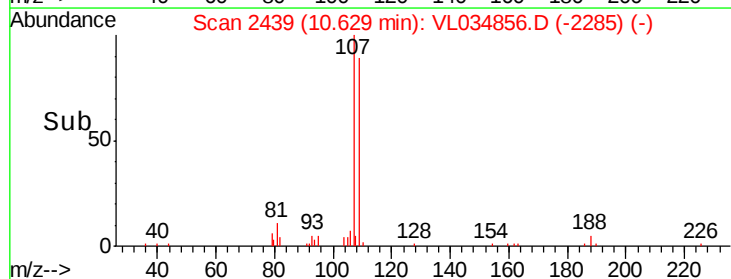
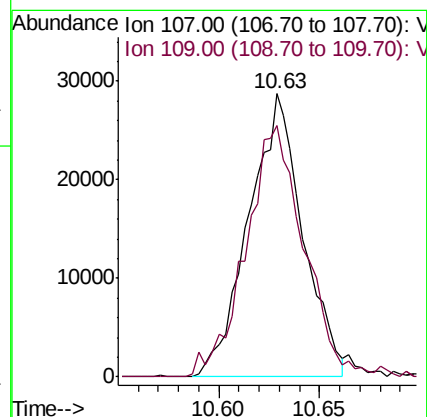
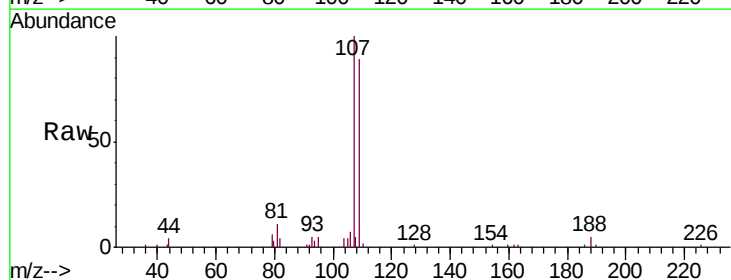
Acq: 10 Mar 2020 2:28

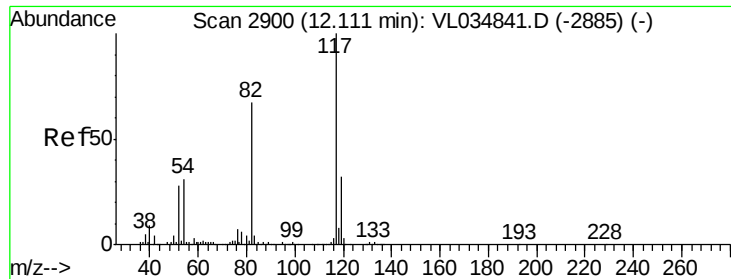
Tgt Ion: 107 Resp: 53539

Ion Ratio Lower Upper

107 100

109 87.9 74.9 112.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VL034856.D

Acq: 10 Mar 2020 2:28

Instrument :

MSVOA_L

ClientSampleId :

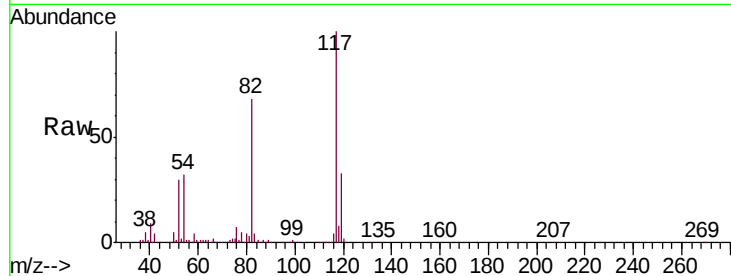
Tgt Ion:117 Resp: 1954578

Ion Ratio Lower Upper

117 100

82 66.6 51.1 76.7

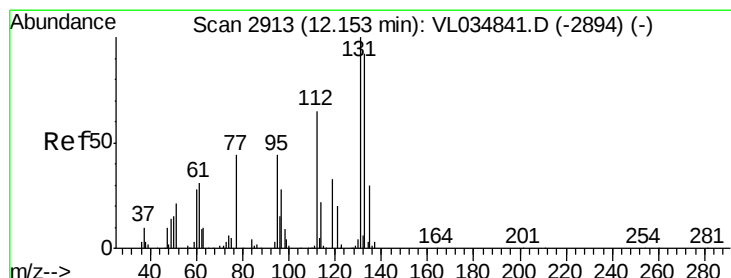
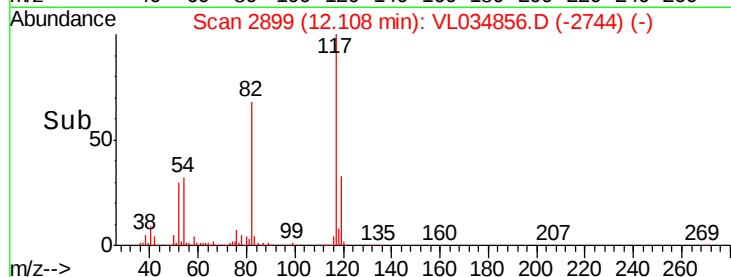
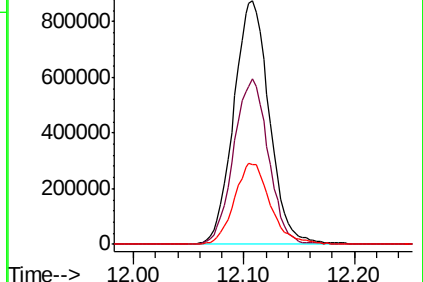
119 33.7 27.3 40.9



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



#56

1,1,1,2-Tetrachloroethane

Concen: 0.165 ppbv

RT: 12.16 min Scan# 2914

Delta R.T. 0.00 min

Lab File: VL034856.D

Acq: 10 Mar 2020 2:28

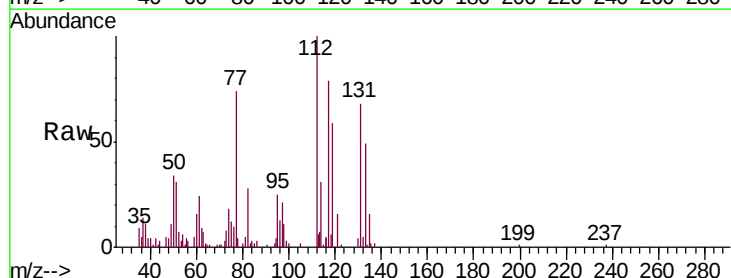
Tgt Ion:131 Resp: 14500

Ion Ratio Lower Upper

131 100

133 0.0 76.0 114.0#

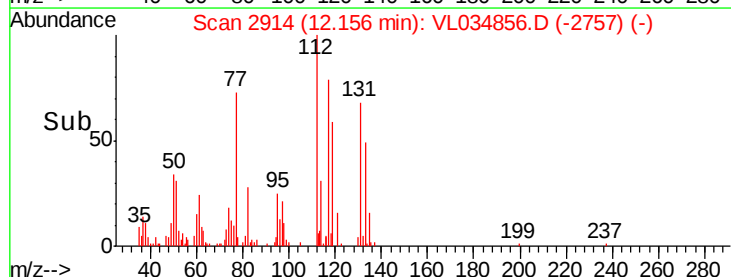
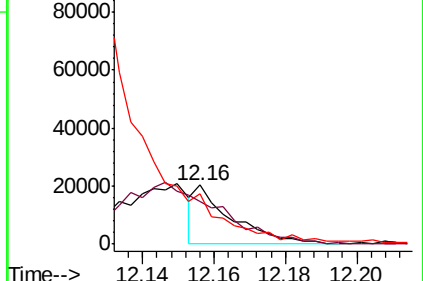
119 0.0 47.8 71.8#

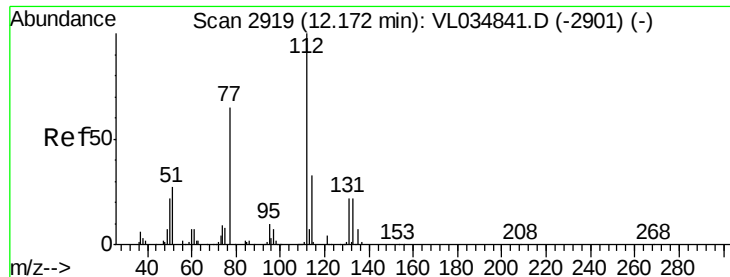


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

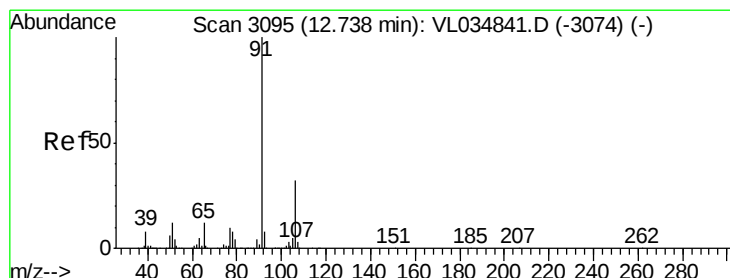
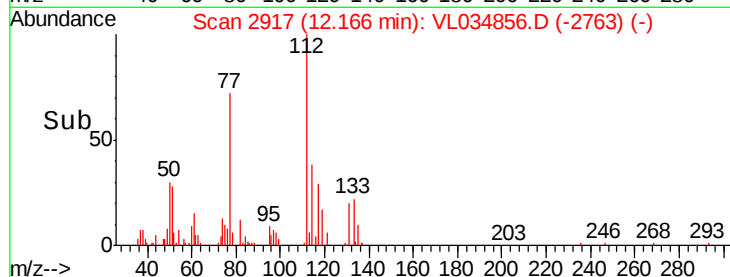
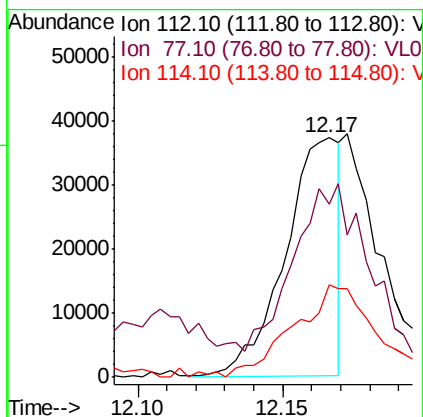
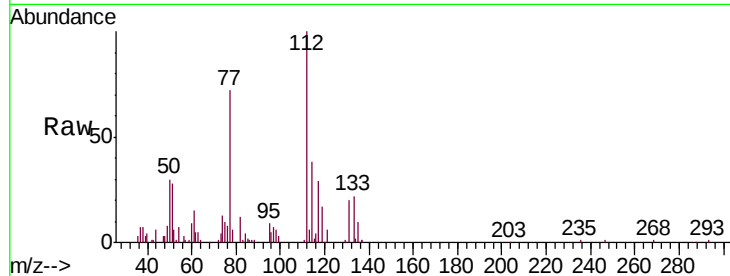




#57
Chlorobenzene
Concen: 0.318 ppbv
RT: 12.17 min Scan# 2917
Delta R.T. -0.01 min
Lab File: VL034856.D
Acq: 10 Mar 2020 2:28

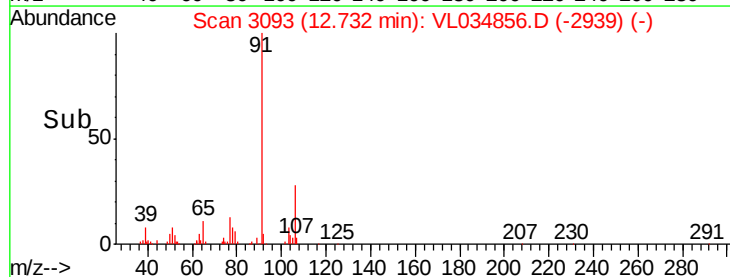
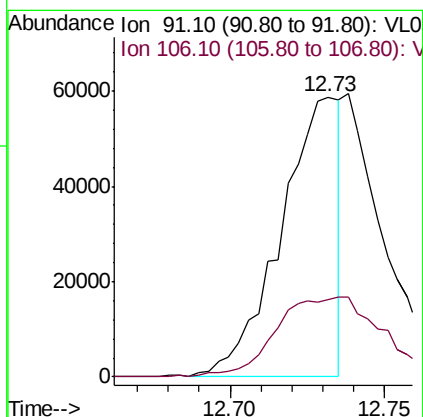
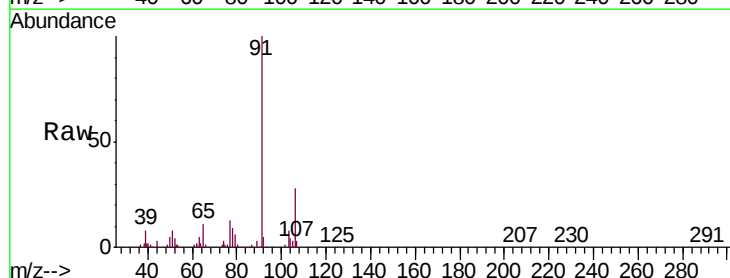
Instrument :
MSVOA_L
ClientSampleId :

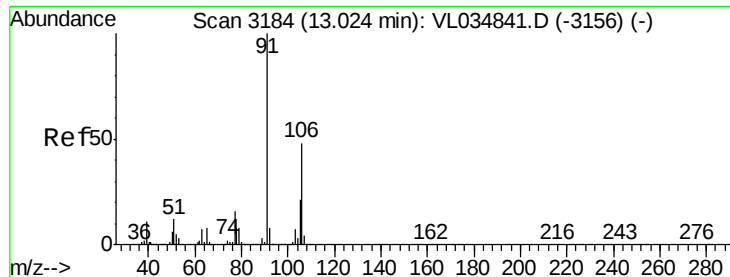
Tgt Ion: 112 Resp: 48641
Ion Ratio Lower Upper
112 100
77 55.7 53.0 79.6
114 39.8 29.5 36.1#



#58
Ethyl Benzene
Concen: 0.291 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. -0.01 min
Lab File: VL034856.D
Acq: 10 Mar 2020 2:28

Tgt Ion: 91 Resp: 77116
Ion Ratio Lower Upper
91 100
106 27.7 25.8 38.6





#59

m/p-Xylene

Concen: 0.349 ppbv

RT: 13.02 min Scan# 3184

Delta R.T. 0.00 min

Lab File: VL034856.D

Acq: 10 Mar 2020 2:28

Instrument :

MSVOA_L

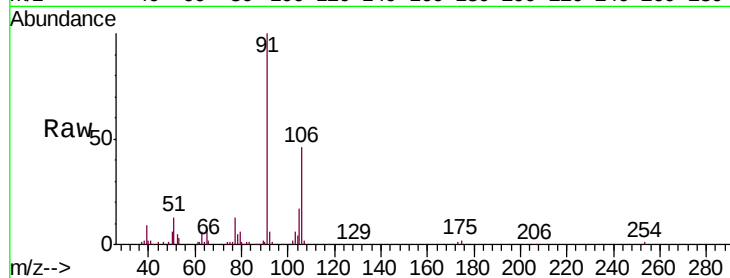
ClientSampleId :

Tgt Ion: 91 Resp: 77395

Ion Ratio Lower Upper

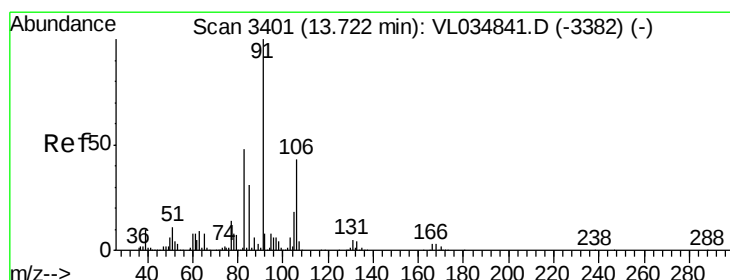
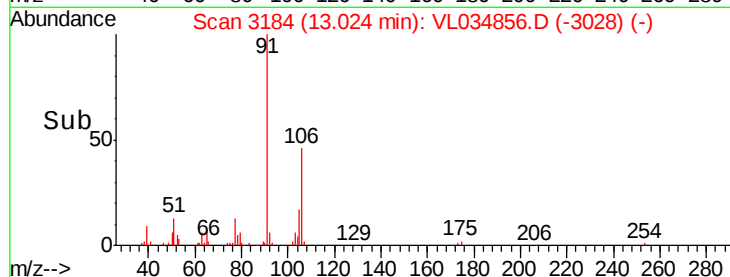
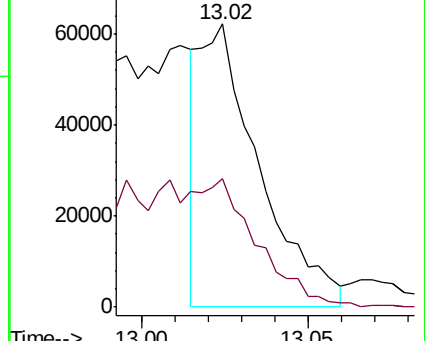
91 100

106 129.3 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: 0.546 ppbv

RT: 13.72 min Scan# 3399

Delta R.T. -0.01 min

Lab File: VL034856.D

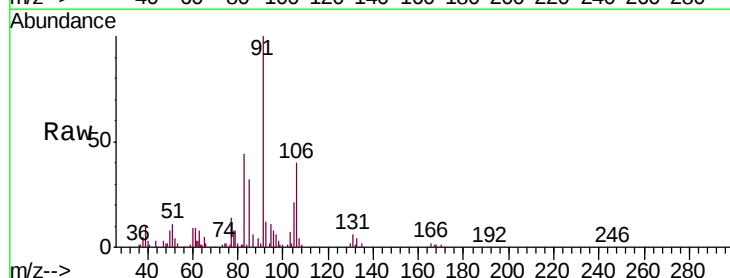
Acq: 10 Mar 2020 2:28

Tgt Ion: 91 Resp: 118319

Ion Ratio Lower Upper

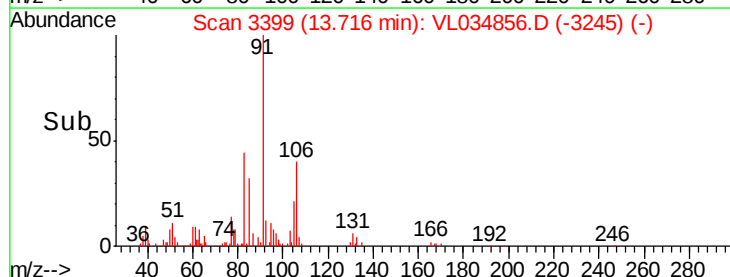
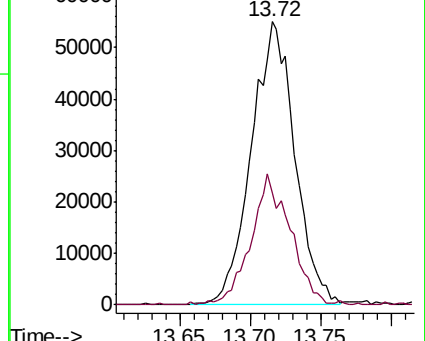
91 100

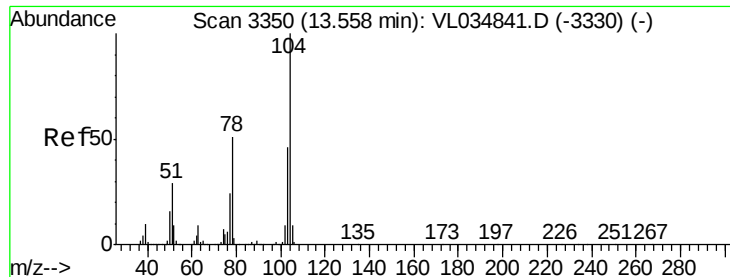
106 42.1 22.5 67.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Styrene

Concen: 0.159 ppbv

RT: 13.56 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VL034856.D

Acq: 10 Mar 2020 2:28

Instrument :

MSVOA_L

ClientSampleId :

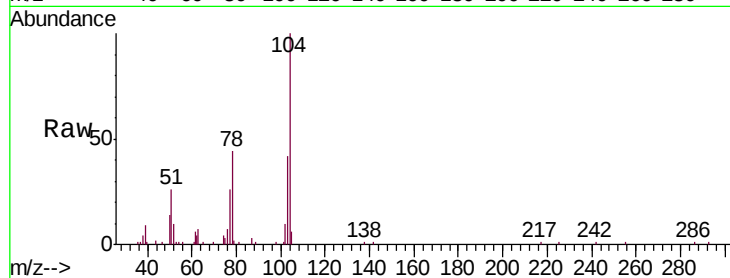
Tgt Ion:104 Resp: 24091

Ion Ratio Lower Upper

104 100

78 140.1 41.8 62.6#

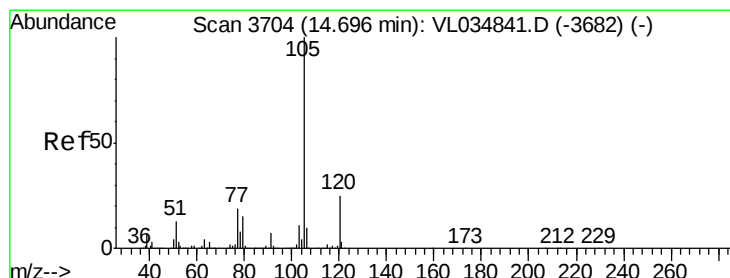
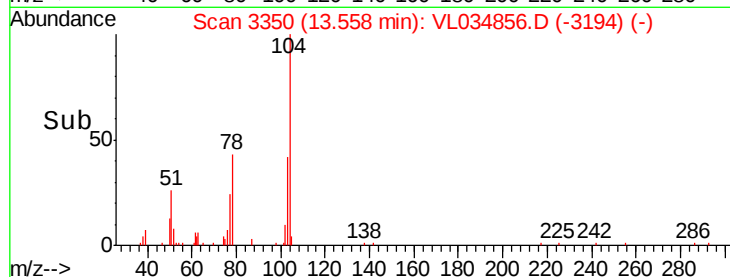
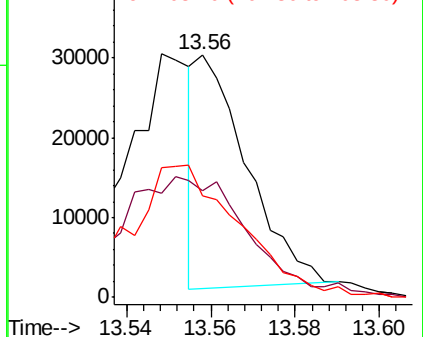
103 135.3 37.8 56.6#



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: 0.272 ppbv

RT: 14.69 min Scan# 3702

Delta R.T. -0.01 min

Lab File: VL034856.D

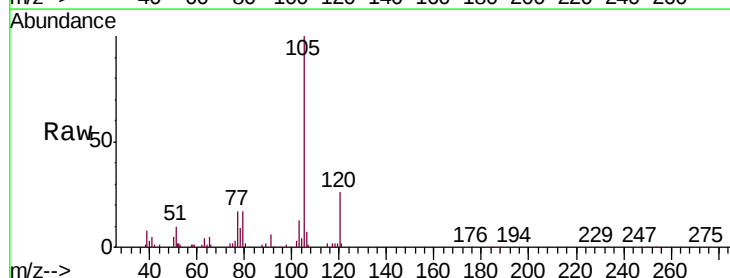
Acq: 10 Mar 2020 2:28

Tgt Ion:105 Resp: 88973

Ion Ratio Lower Upper

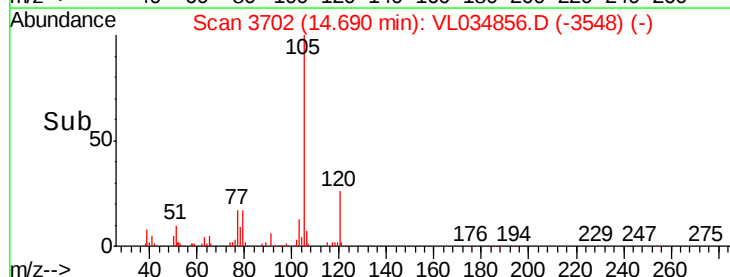
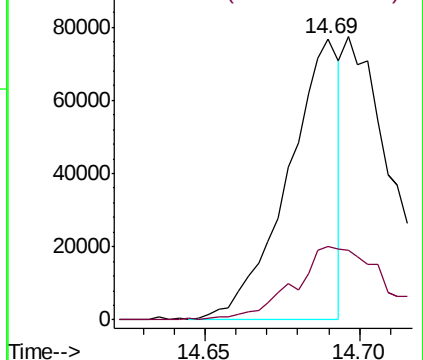
105 100

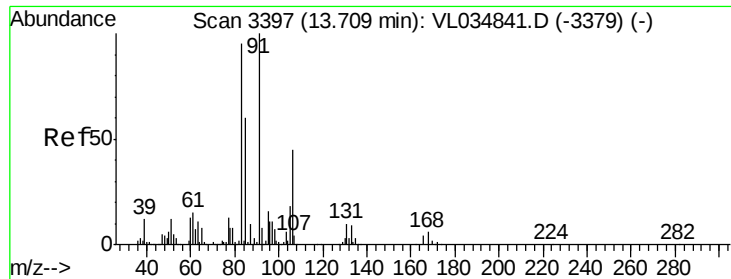
120 45.9 21.0 31.4#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

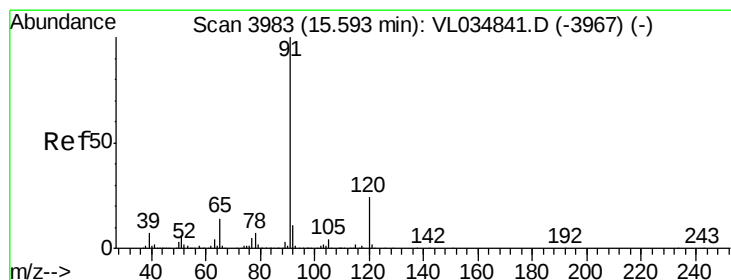
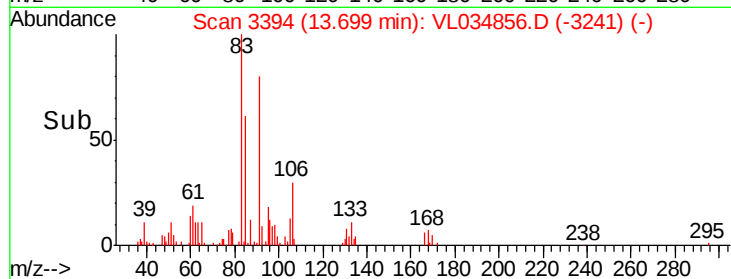
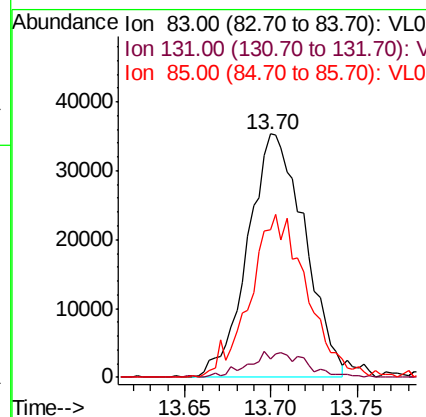
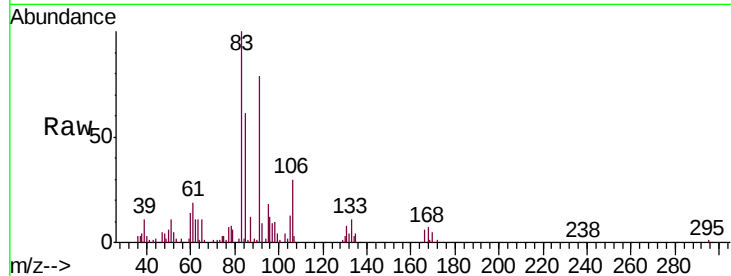




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.550 ppbv
 RT: 13.70 min Scan# 3394
 Delta R.T. -0.01 min
 Lab File: VL034856.D
 Acq: 10 Mar 2020 2:28

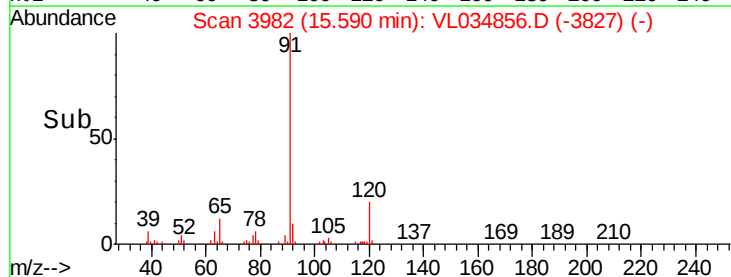
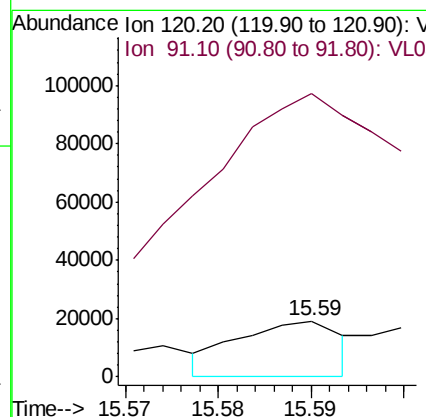
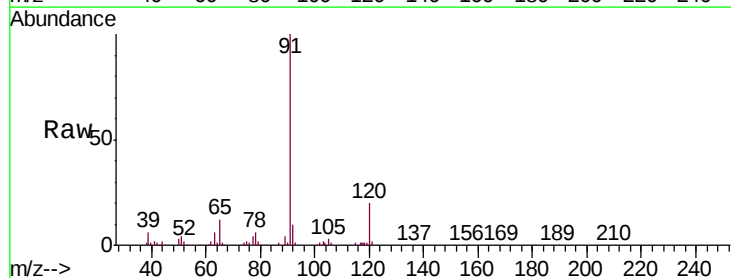
Instrument :
 MSVOA_L
 ClientSampleId :

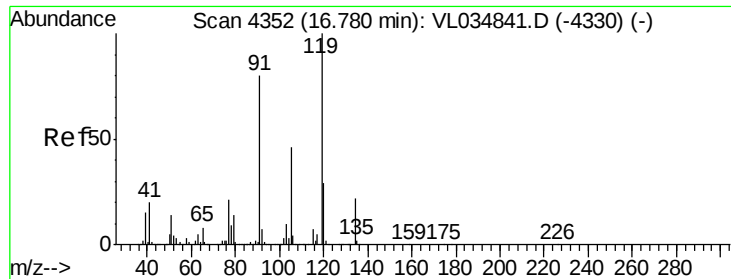
Tgt Ion: 83 Resp: 80907
 Ion Ratio Lower Upper
 83 100
 131 10.5 5.0 14.9
 85 67.5 32.4 97.2



#64
 n-propylbenzene
 Concen: 0.174 ppbv
 RT: 15.59 min Scan# 3982
 Delta R.T. -0.00 min
 Lab File: VL034856.D
 Acq: 10 Mar 2020 2:28

Tgt Ion: 120 Resp: 14805
 Ion Ratio Lower Upper
 120 100
 91 1423.8 360.9 541.3#

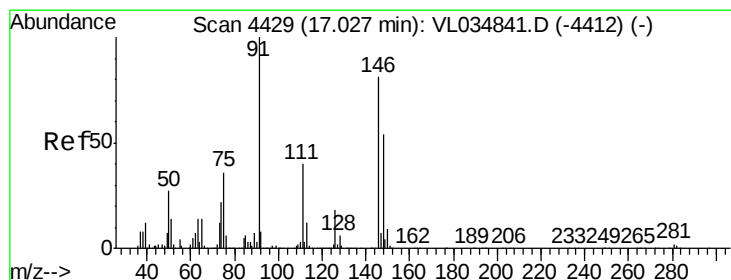
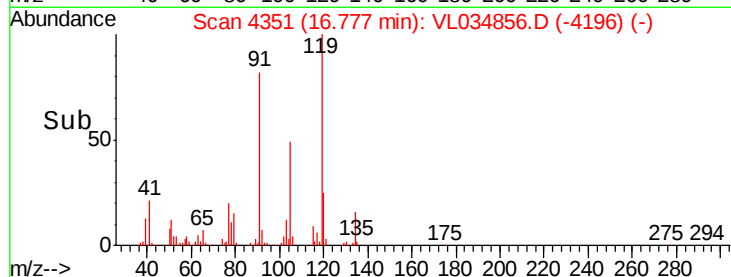
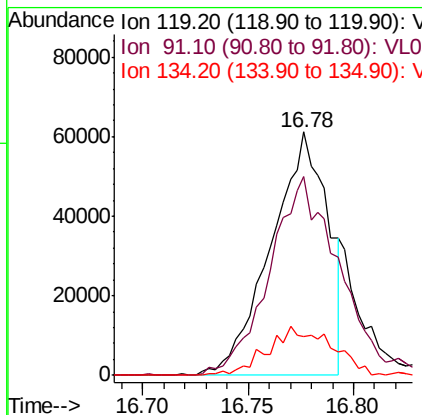
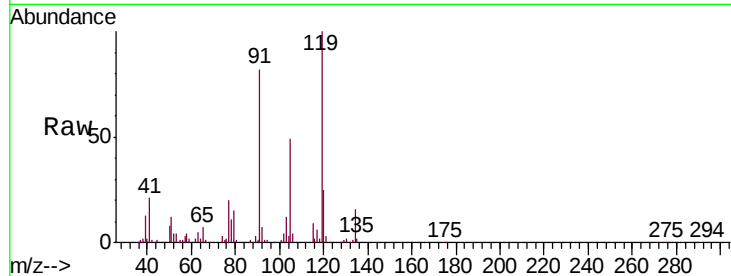




#65
 tert-Butylbenzene
 Concen: 0.400 ppbv
 RT: 16.78 min Scan# 4351
 Delta R.T. -0.00 min
 Lab File: VL034856.D
 Acq: 10 Mar 2020 2:28

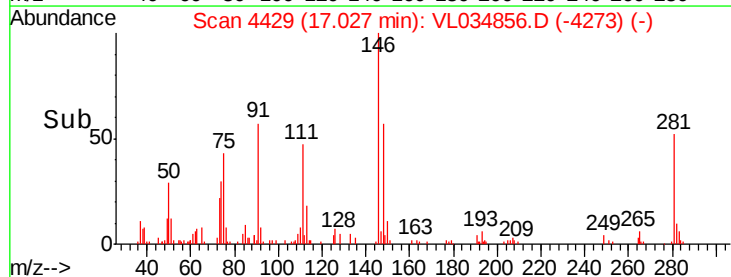
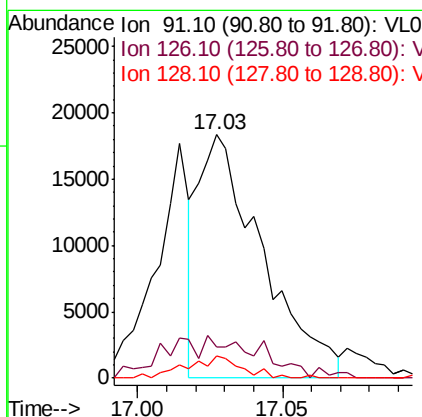
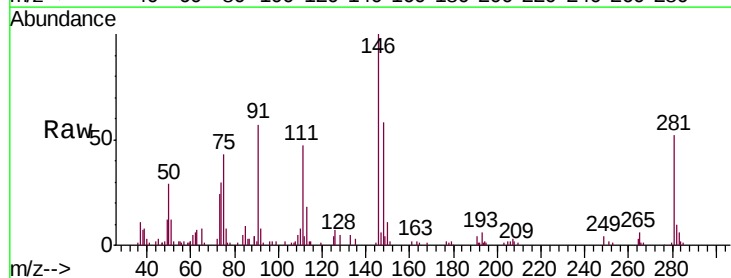
Instrument :
 MSVOA_L
 ClientSampleId :

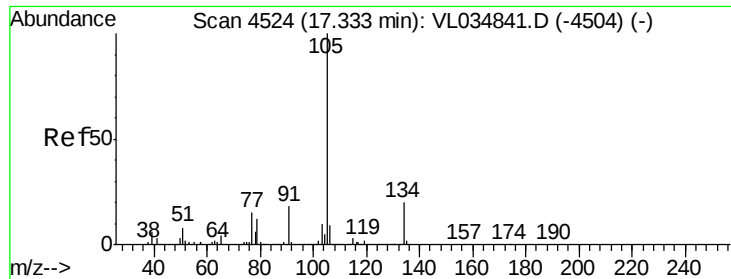
Tgt Ion: 119 Resp: 114439
 Ion Ratio Lower Upper
 119 100
 91 102.8 64.9 97.3#
 134 22.8 15.9 23.9



#66
 Benzyl Chloride
 Concen: 0.233 ppbv
 RT: 17.03 min Scan# 4429
 Delta R.T. 0.00 min
 Lab File: VL034856.D
 Acq: 10 Mar 2020 2:28

Tgt Ion: 91 Resp: 27818
 Ion Ratio Lower Upper
 91 100
 126 26.7 14.7 22.1#
 128 7.9 4.7 7.1#

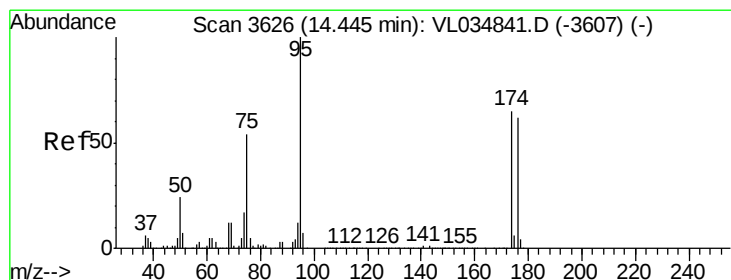
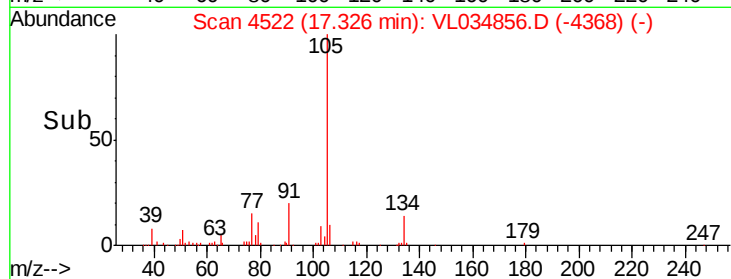
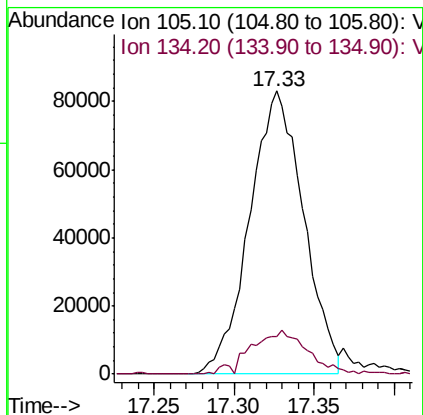
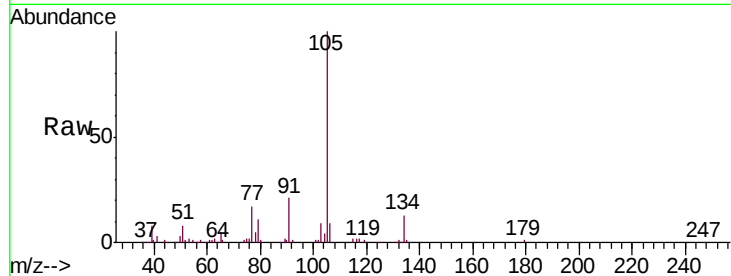




#67
 sec-Butylbenzene
 Concen: 0.487 ppbv
 RT: 17.33 min Scan# 4522
 Delta R.T. -0.01 min
 Lab File: VL034856.D
 Acq: 10 Mar 2020 2:28

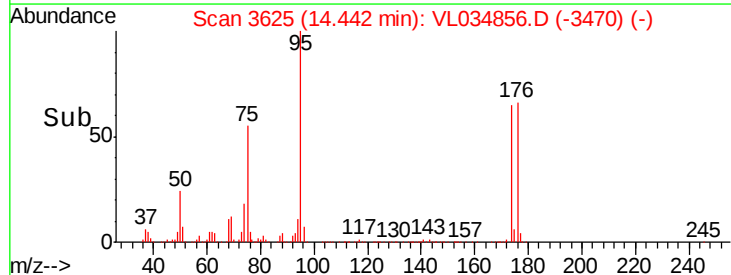
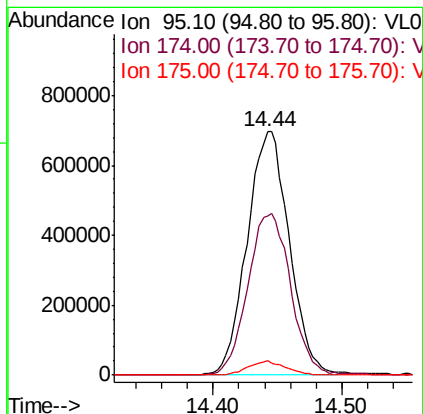
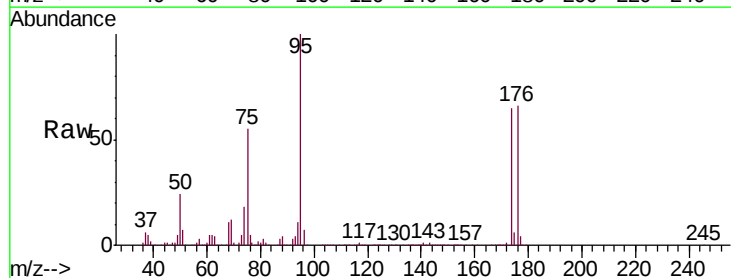
Instrument :
 MSVOA_L
 ClientSampleId :

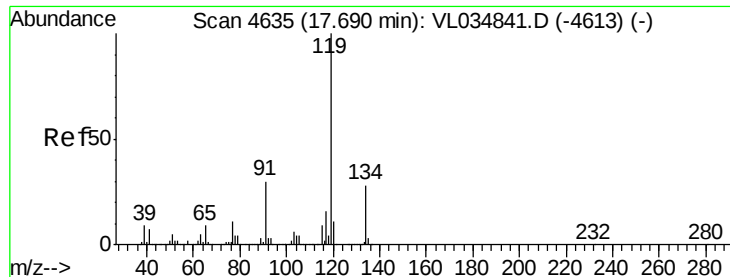
Tgt Ion: 105 Resp: 193437
 Ion Ratio Lower Upper
 105 100
 134 16.3 15.0 22.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.421 ppbv
 RT: 14.44 min Scan# 3625
 Delta R.T. -0.00 min
 Lab File: VL034856.D
 Acq: 10 Mar 2020 2:28

Tgt Ion: 95 Resp: 1588561
 Ion Ratio Lower Upper
 95 100
 174 67.4 55.2 82.8
 175 5.2 4.3 6.5

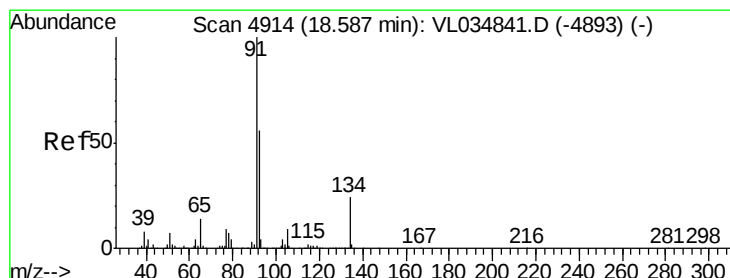
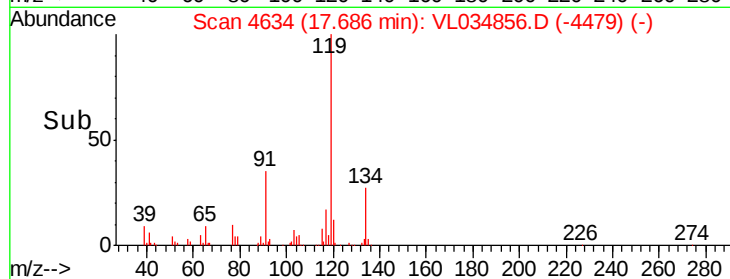
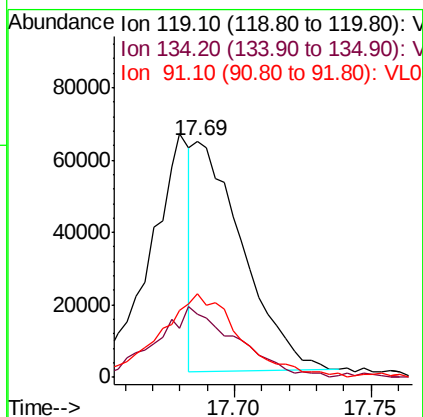
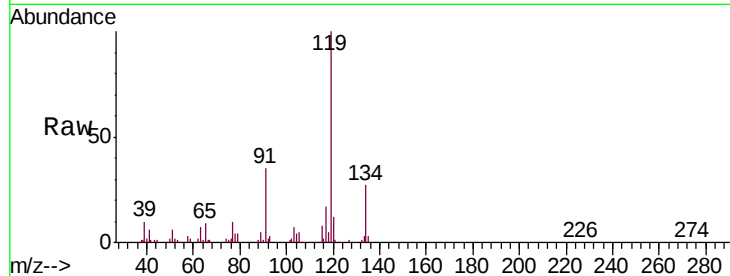




#69
p-Isopropyltoluene
Concen: 0.236 ppbv
RT: 17.69 min Scan# 4634
Delta R.T. -0.00 min
Lab File: VL034856.D
Acq: 10 Mar 2020 2:28

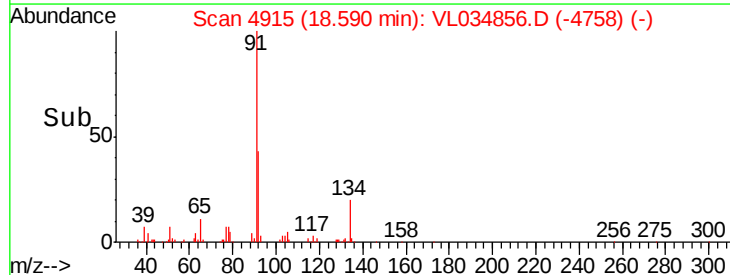
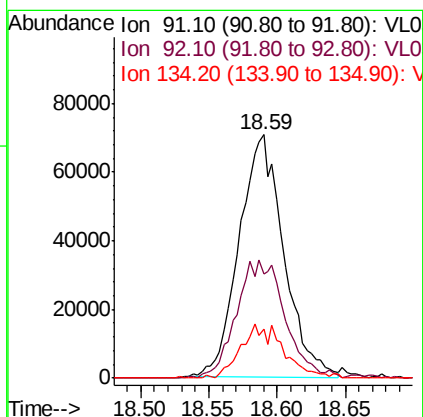
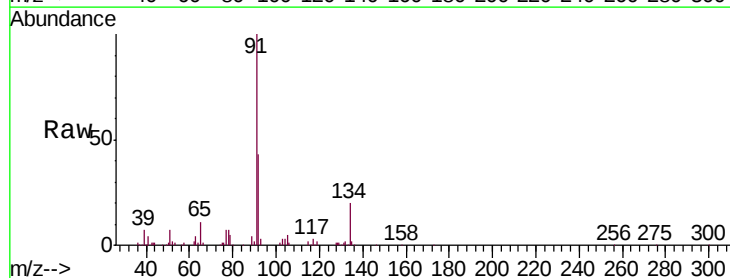
Instrument :
MSVOA_L
ClientSampleId :

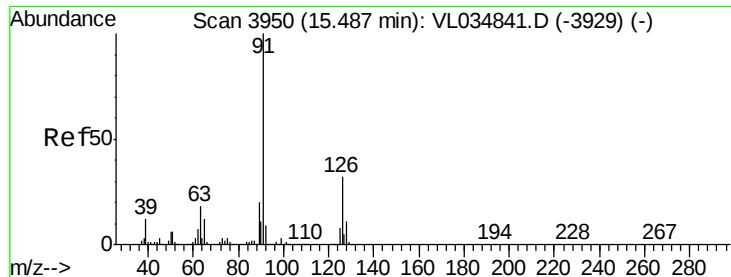
Tgt Ion: 119 Resp: 78499
Ion Ratio Lower Upper
119 100
134 52.7 20.6 30.8#
91 61.6 23.4 35.2#



#70
n-Butylbenzene
Concen: 0.471 ppbv
RT: 18.59 min Scan# 4915
Delta R.T. 0.00 min
Lab File: VL034856.D
Acq: 10 Mar 2020 2:28

Tgt Ion: 91 Resp: 159966
Ion Ratio Lower Upper
91 100
92 53.8 43.8 65.6
134 21.5 19.0 28.4

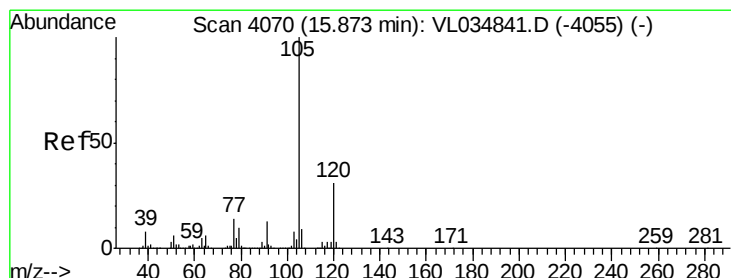
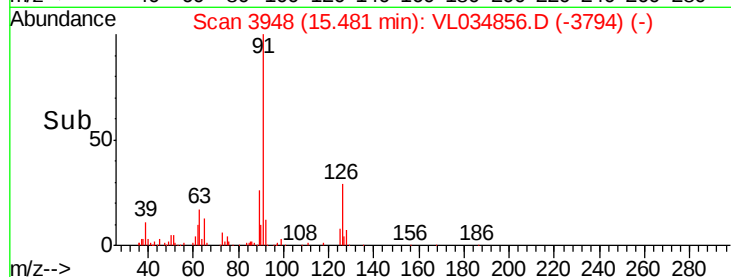
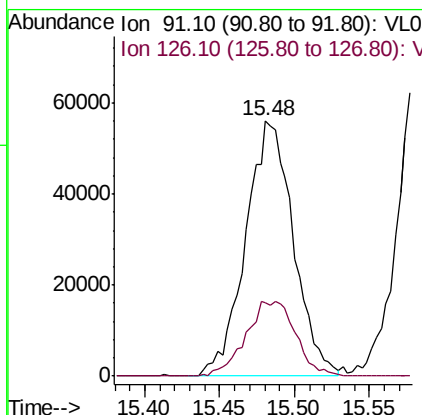
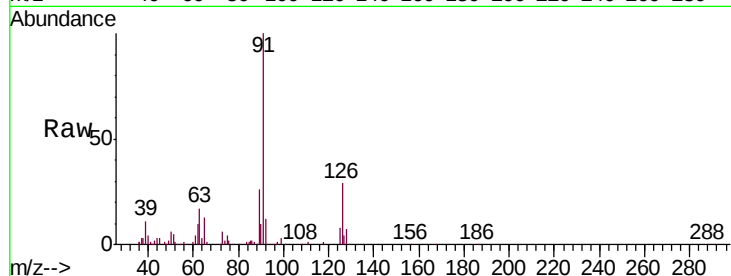




#71
 2-Chlorotoluene
 Concen: 0.501 ppbv
 RT: 15.48 min Scan# 3948
 Delta R.T. -0.01 min
 Lab File: VL034856.D
 Acq: 10 Mar 2020 2:28

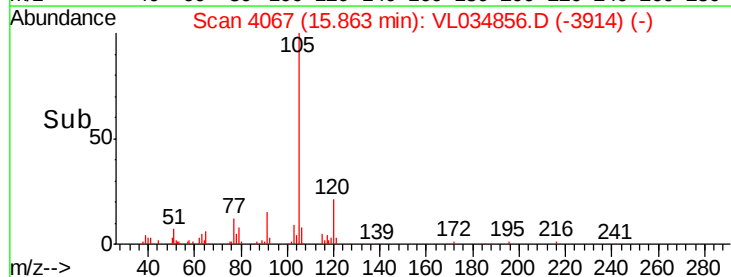
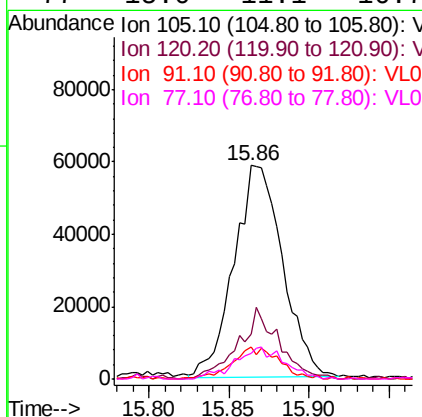
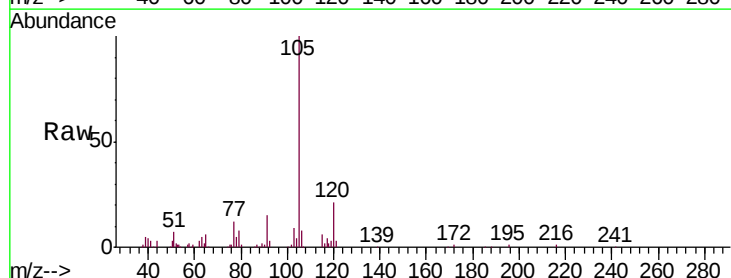
Instrument :
 MSVOA_L
 ClientSampleId :

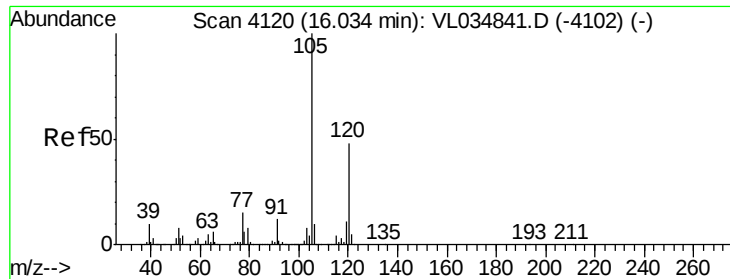
Tgt Ion: 91 Resp: 124168
 Ion Ratio Lower Upper
 91 100
 126 30.7 12.3 49.1



#72
 4-Ethyltoluene
 Concen: 0.479 ppbv
 RT: 15.86 min Scan# 4067
 Delta R.T. -0.01 min
 Lab File: VL034856.D
 Acq: 10 Mar 2020 2:28

Tgt Ion: 105 Resp: 122487
 Ion Ratio Lower Upper
 105 100
 120 28.0 23.7 35.5
 91 14.4 10.5 15.7
 77 15.0 11.1 16.7

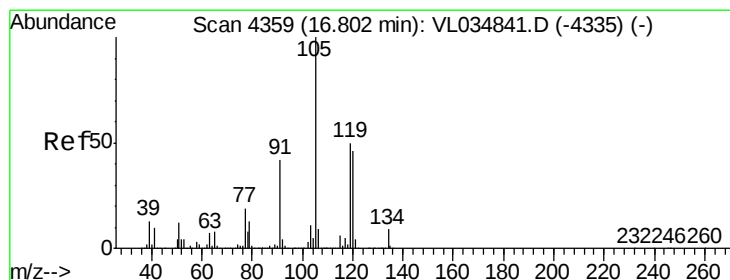
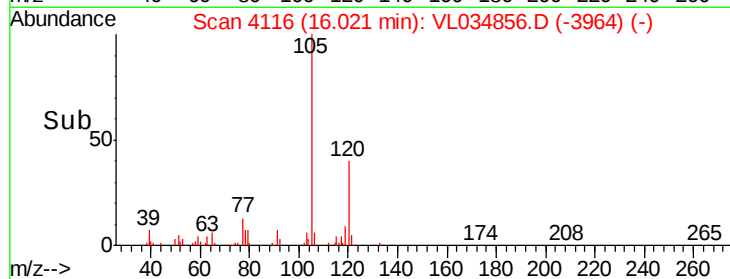
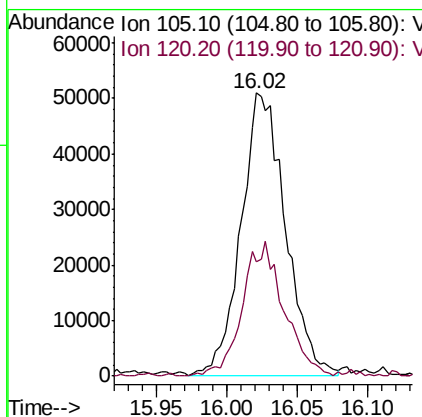
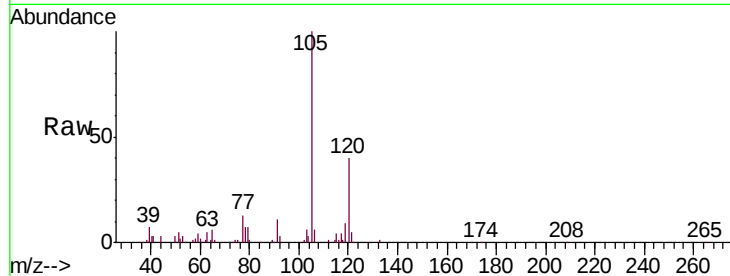




#73
 1,3,5-Trimethylbenzene
 Concen: 0.471 ppbv
 RT: 16.02 min Scan# 4116
 Delta R.T. -0.01 min
 Lab File: VL034856.D
 Acq: 10 Mar 2020 2:28

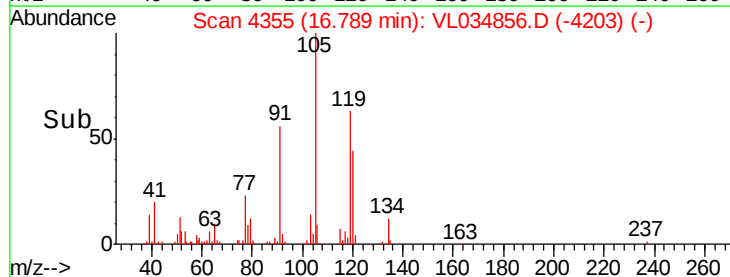
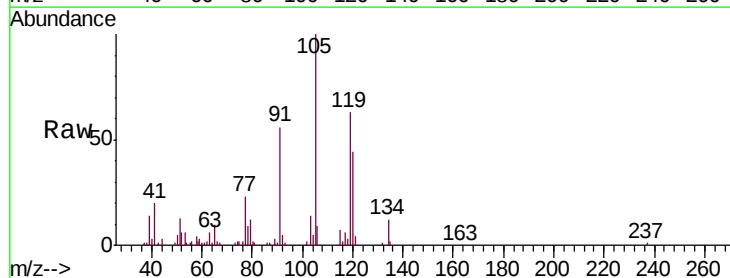
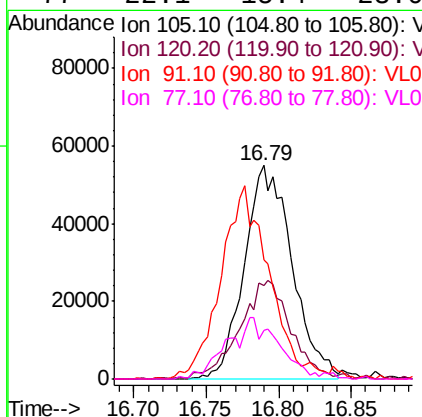
Instrument :
 MSVOA_L
 ClientSampled :

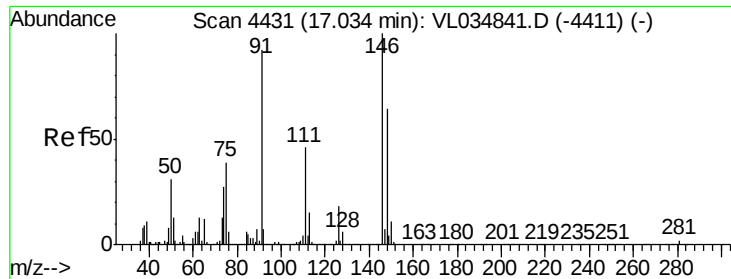
Tgt Ion:105 Resp: 112780
 Ion Ratio Lower Upper
 105 100
 120 40.3 38.6 58.0



#74
 1,2,4-Trimethylbenzene
 Concen: 0.510 ppbv
 RT: 16.79 min Scan# 4355
 Delta R.T. -0.01 min
 Lab File: VL034856.D
 Acq: 10 Mar 2020 2:28

Tgt Ion:105 Resp: 125729
 Ion Ratio Lower Upper
 105 100
 120 43.1 37.0 55.4
 91 52.1 33.8 50.6#
 77 22.1 15.4 23.0





#75

1,3-Dichlorobenzene

Concen: 0.549 ppbv

RT: 17.03 min Scan# 4430

Delta R.T. -0.00 min

Lab File: VL034856.D

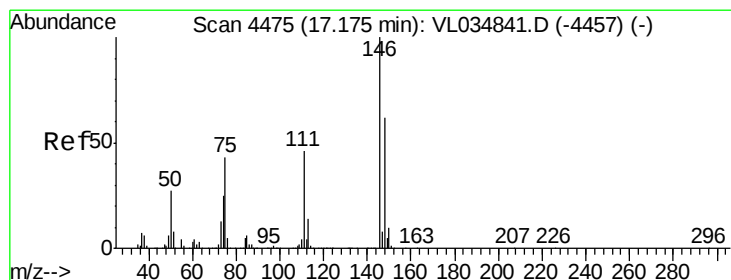
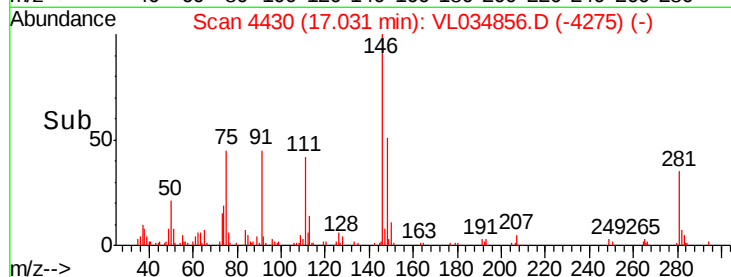
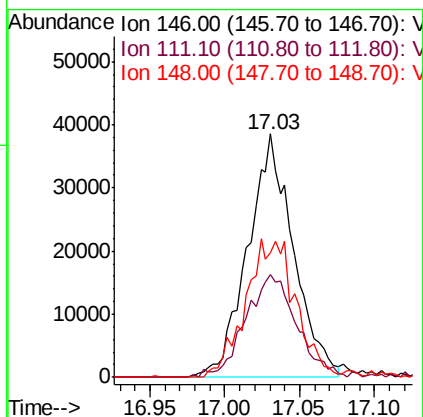
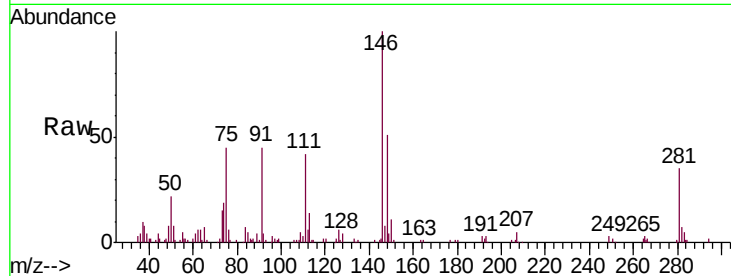
Acq: 10 Mar 2020 2:28

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	146	Resp:	81669
Ion	Ratio	Lower	Upper
146	100		
111	47.7	23.9	71.7
148	63.7	32.5	97.5



#76

1,4-Dichlorobenzene

Concen: 0.267 ppbv

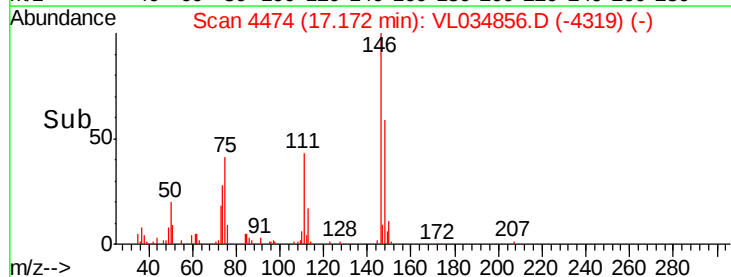
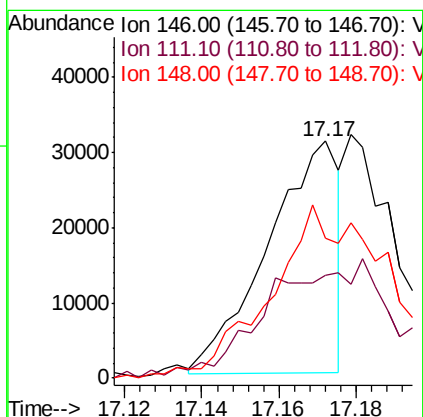
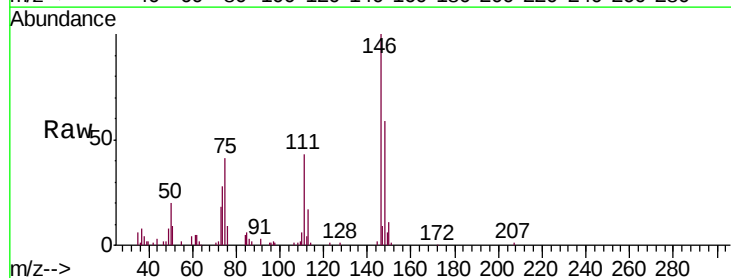
RT: 17.17 min Scan# 4474

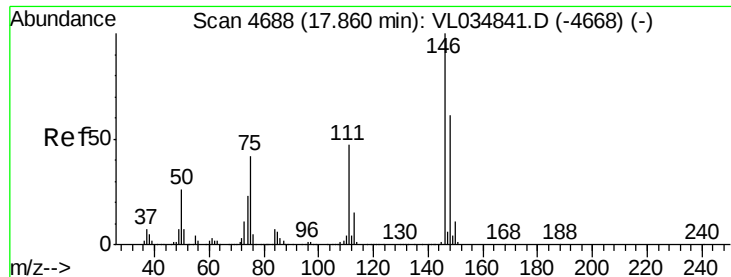
Delta R.T. -0.00 min

Lab File: VL034856.D

Acq: 10 Mar 2020 2:28

Tgt Ion:	146	Resp:	39600
Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.4	70.2#
148	128.5	32.3	96.9#

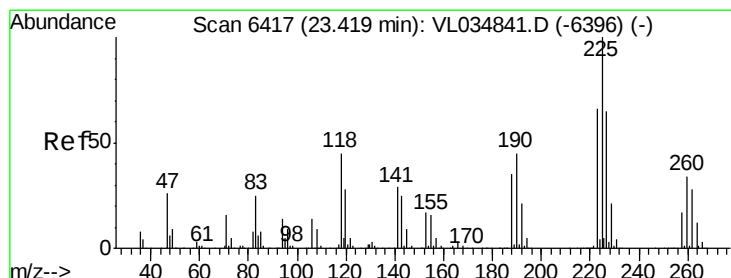
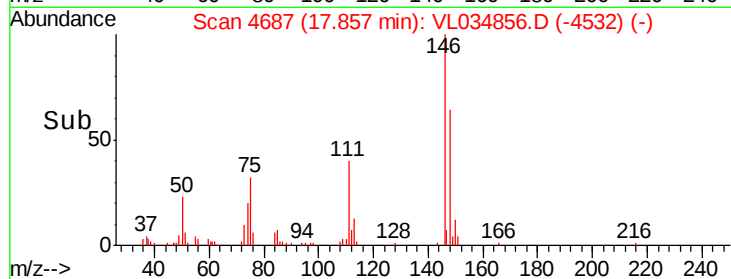
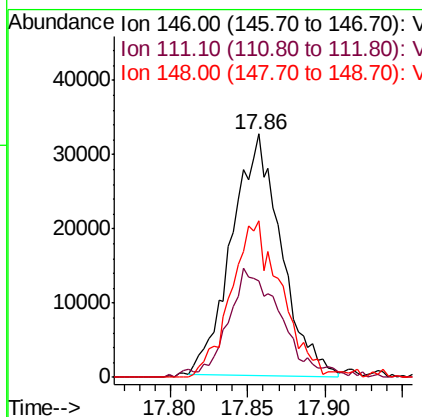
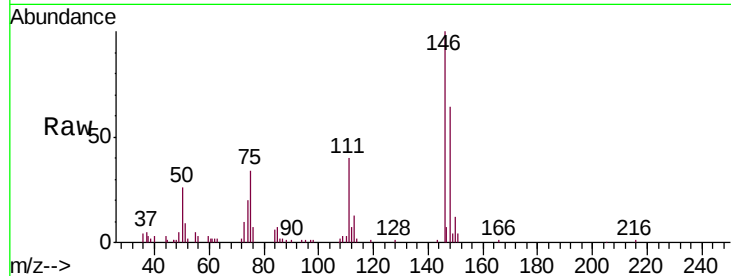




#77
 1,2-Dichlorobenzene
 Concen: 0.500 ppbv
 RT: 17.86 min Scan# 4687
 Delta R.T. -0.00 min
 Lab File: VL034856.D
 Acq: 10 Mar 2020 2:28

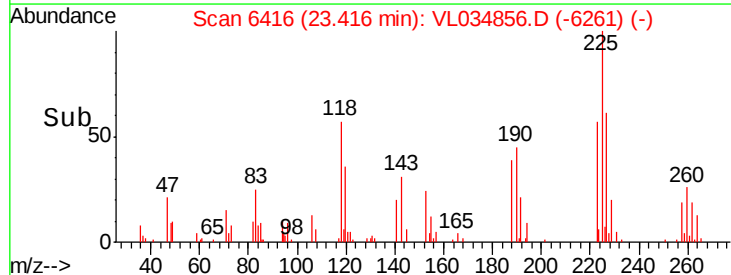
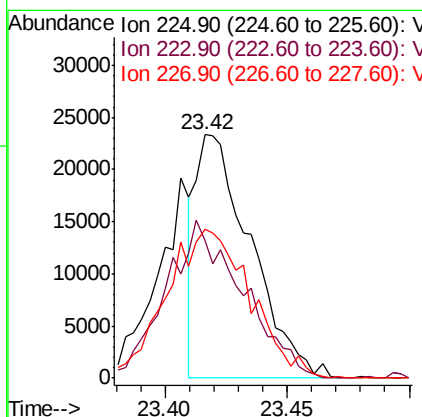
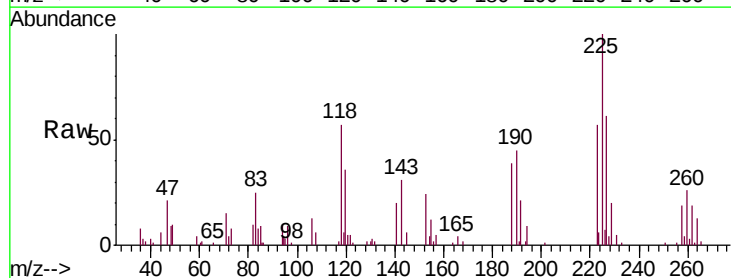
Instrument :
 MSVOA_L
 ClientSampled :

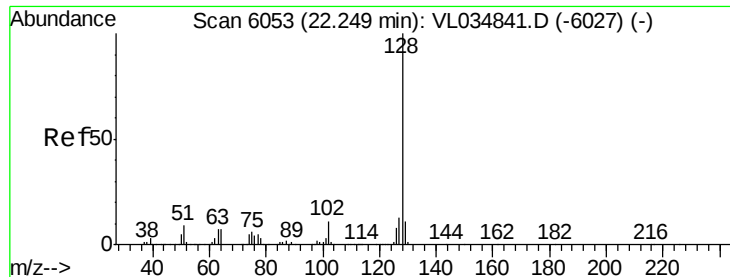
Tgt Ion:146 Resp: 72069
 Ion Ratio Lower Upper
 146 100
 111 49.1 23.8 71.4
 148 67.6 31.6 94.8



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.301 ppbv
 RT: 23.42 min Scan# 6416
 Delta R.T. -0.00 min
 Lab File: VL034856.D
 Acq: 10 Mar 2020 2:28

Tgt Ion:225 Resp: 36291
 Ion Ratio Lower Upper
 225 100
 223 91.9 51.1 76.7#
 227 94.4 51.8 77.6#





#79

Naphthalene

Concen: 0.075 ppbv

RT: 22.24 min Scan# 6051

Delta R.T. -0.01 min

Lab File: VL034856.D

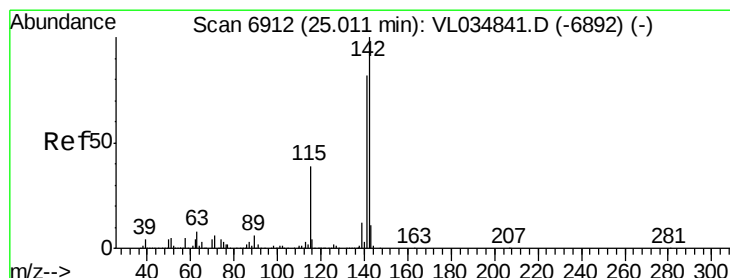
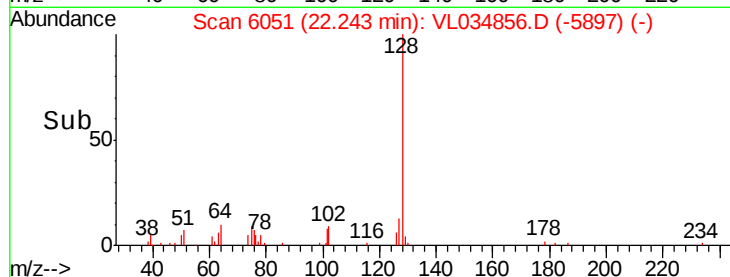
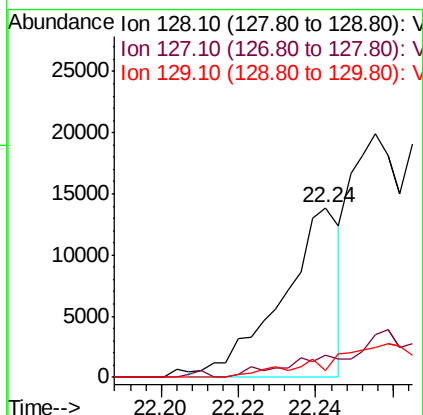
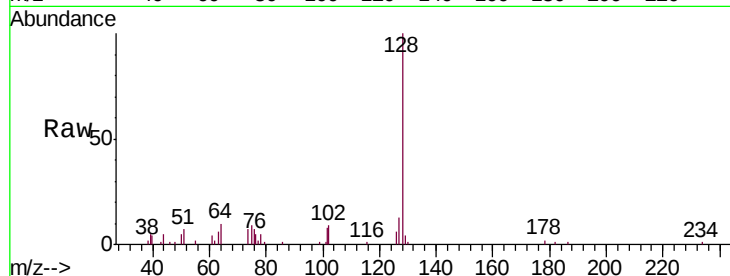
Acq: 10 Mar 2020 2:28

Instrument :

MSVOA_L

ClientSampled :

Tgt Ion:	128	Resp:	14430
Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.2	15.2
129	4.1	8.6	13.0#



#80

Naphthalene, 2-methyl-

Concen: 0.028 ppbv

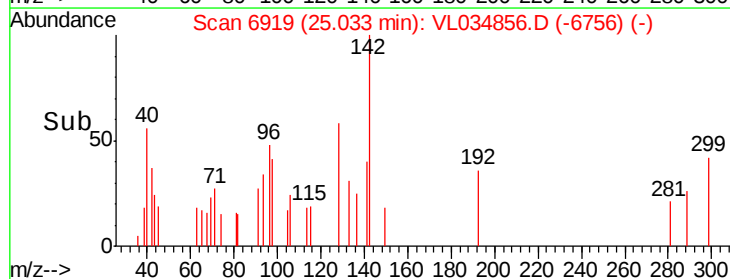
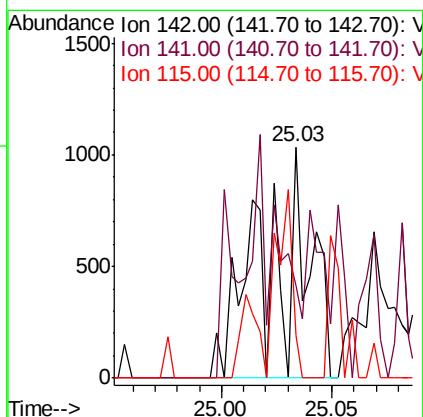
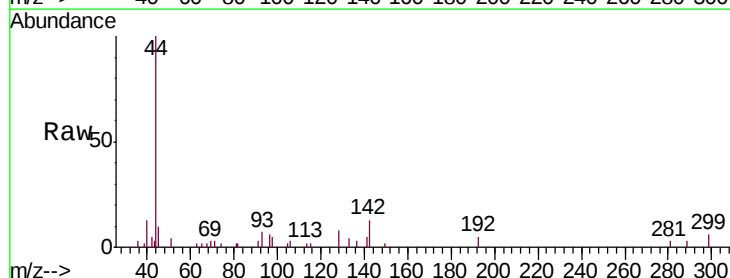
RT: 25.03 min Scan# 6919

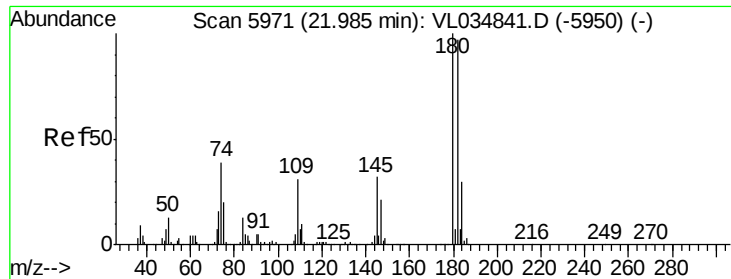
Delta R.T. 0.02 min

Lab File: VL034856.D

Acq: 10 Mar 2020 2:28

Tgt Ion:	142	Resp:	1420
Ion	Ratio	Lower	Upper
142	100		
141	85.5	68.9	103.3
115	43.9	33.2	49.8





#81
 1,2,4-Trichlorobenzene
 Concen: 0.083 ppbv
 RT: 21.98 min Scan# 5969
 Delta R.T. -0.01 min
 Lab File: VL034856.D
 Acq: 10 Mar 2020 2:28

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.6	115.0#
184	137.1	25.0	37.4#

