

Data File : VL034734.D
Acq On : 28 Feb 2020 11:26
Operator : SY/AP
Sample : VL0228ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0228ABS01

Quant Time: Mar 02 04:29:57 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 01:15:02 2020
QLast Update : Fri Feb 28 01:15:02 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1000852	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2057688	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2213764	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1805392	9.95	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.02	85	1757909	11.134	ppbv	96
3) Chlorodifluoromethane	2.96	51	1095583	10.143	ppbv	100
4) Chloromethane	3.11	50	617147	10.207	ppbv	95
5) Vinyl Chloride	3.23	62	613472	10.342	ppbv	97
6) Bromomethane	3.45	94	350239	10.079	ppbv	96
7) Chloroethane	3.53	64	230222	10.455	ppbv	93
8) Dichlorotetrafluoroethane	3.16	85	1388383	9.941	ppbv	98
9) Propene	2.97	41	453606	10.047	ppbv	98
10) Heptane	8.14	43	1268238	10.913	ppbv	98
11) Trichlorofluoromethane	3.93	101	1458738	10.548	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1002366	10.283	ppbv	100
13) Ethanol	3.58	45	101084	7.087	ppbv	97
14) Bromoethene	3.72	108	427104	10.501	ppbv	99
15) Acetone	3.83	43	1121395	9.833	ppbv	99
16) 1,3-Butadiene	3.30	39	565226	10.706	ppbv	98
17) tert-Butyl alcohol	4.28	59	776242	8.882	ppbv	98
18) 1,1-Dichloroethene	4.27	96	452941	10.350	ppbv	94
19) Isopropyl Alcohol	3.95	45	594948	8.758	ppbv	100
20) Methylene Chloride	4.33	84	404889	9.546	ppbv	98
21) Allyl Chloride	4.39	41	816342	10.819	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	454280	10.646	ppbv	97
23) Vinyl Acetate	5.07	43	1791748	11.556	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1257552	10.156	ppbv	99
25) Ethyl Acetate	5.67	43	2119105	10.496	ppbv	99
26) Hexane	5.69	57	956125	10.275	ppbv	99
27) Carbon Disulfide	4.54	76	1222294	11.572	ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	1433190	10.781	ppbv	100
29) Chloroform	5.75	83	1509619	10.183	ppbv	97
30) Cyclohexane	7.14	84	767456	10.642	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1004301	10.968	ppbv	96
32) 1,1,1-Trichloroethane	6.52	97	1467584	10.601	ppbv	99
34) 2-Butanone	5.24	43	1416180	10.934	ppbv	99
35) Carbon Tetrachloride	7.03	117	1521691	11.042	ppbv	99
36) Benzene	6.90	78	1879297	10.574	ppbv	95
37) 1,2-Dichloroethane	6.31	62	1270194	11.338	ppbv	98
38) Trichloroethene	7.86	130	705673	10.301	ppbv	98
39) 1,2-Dichloropropane	7.63	63	754807	10.675	ppbv	98
40) 1,4-Dioxane	7.85	88	247868	10.309	ppbv	72
41) Tetrahydrofuran	6.05	42	785830	11.495	ppbv	99
42) Bromodichloromethane	7.81	83	1638386	11.171	ppbv	95
43) Methyl Methacrylate	8.03	69	834727	11.167	ppbv	97

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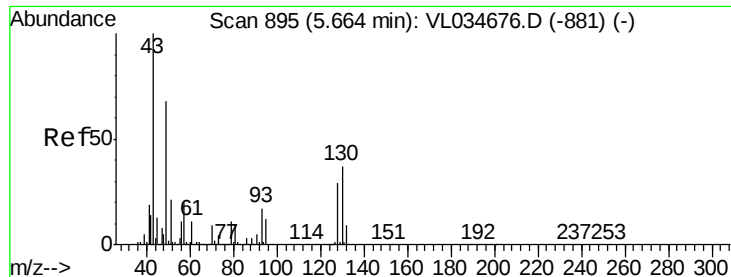
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3288886	10.589	ppbv	98
45) t-1,3-Dichloropropene	9.30	75	1061205	13.009	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1211970	12.389	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	782754	10.791	ppbv	98
48) Dibromochloromethane	10.34	129	1325815	11.754	ppbv	100
49) Bromoform	13.08	173	1177736	12.043	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2144759	11.692	ppbv	99
51) 2-Hexanone	10.16	43	1800765	12.474	ppbv #	99
52) Tetrachloroethene	11.26	164	663970	10.192	ppbv	96
53) Toluene	9.83	91	2143615	11.340	ppbv	100
54) 1,2-Dibromoethane	10.64	107	1214420	11.222	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.16	131	946361	10.037	ppbv	94
57) Chlorobenzene	12.19	112	1633636	9.984	ppbv	97
58) Ethyl Benzene	12.74	91	2941534	10.983	ppbv	99
59) m/p-Xylene	13.03	91	2577330	11.033	ppbv #	40
60) o-Xylene	13.73	91	2421366	10.445	ppbv	99
61) Styrene	13.57	104	1714824	11.516	ppbv	99
62) Isopropylbenzene	14.71	105	3379845	9.995	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	1746025	9.664	ppbv	100
64) n-propylbenzene	15.60	120	880878	10.104	ppbv	94
65) tert-Butylbenzene	16.79	119	2939392	10.067	ppbv	98
66) Benzyl Chloride	17.04	91	1424136	13.075	ppbv	99
67) sec-Butylbenzene	17.34	105	4203888	10.005	ppbv	99
69) p-Isopropyltoluene	17.70	119	3456861	9.994	ppbv	99
70) n-Butylbenzene	18.60	91	1976731	5.248	ppbv #	41
71) 2-Chlorotoluene	15.50	91	2693769	10.285	ppbv	99
72) 4-Ethyltoluene	15.88	105	2795907	10.836	ppbv	99
73) 1,3,5-Trimethylbenzene	16.04	105	2620493	10.558	ppbv	98
74) 1,2,4-Trimethylbenzene	16.81	105	2736994	9.985	ppbv	99
75) 1,3-Dichlorobenzene	17.05	146	1547768	9.782	ppbv	100
76) 1,4-Dichlorobenzene	17.19	146	1585391	10.015	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	1514077	9.898	ppbv	100
78) Hexachloro-1,3-Butadiene	23.43	225	1217249	9.139	ppbv	99
79) Naphthalene	22.27	128	2585278	10.717	ppbv	98
80) Naphthalene,2-methyl-	25.02	142	896718	12.052	ppbv #	94
81) 1,2,4-Trichlorobenzene	22.00	180	1387027	9.634	ppbv	99

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

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.01 min

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VL0228ABS01

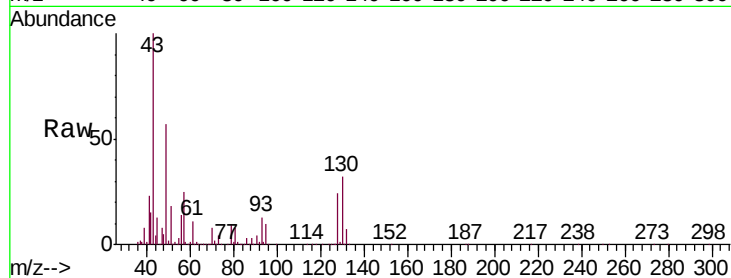
Tgt Ion: 49 Resp: 1000852

Ion Ratio Lower Upper

49 100

128 42.6 21.6 65.0

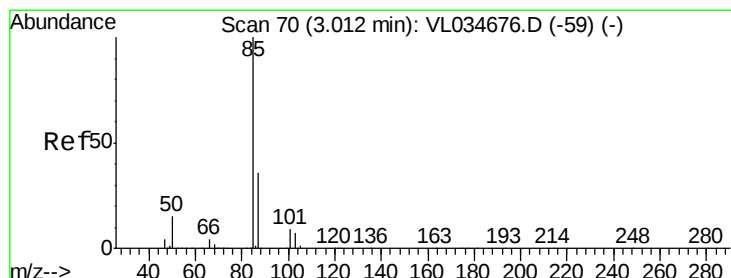
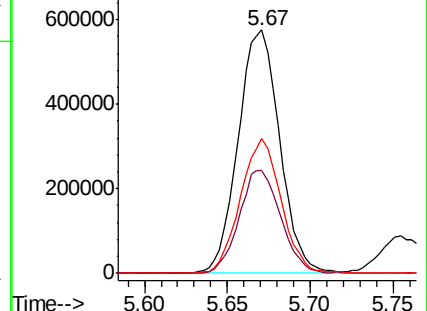
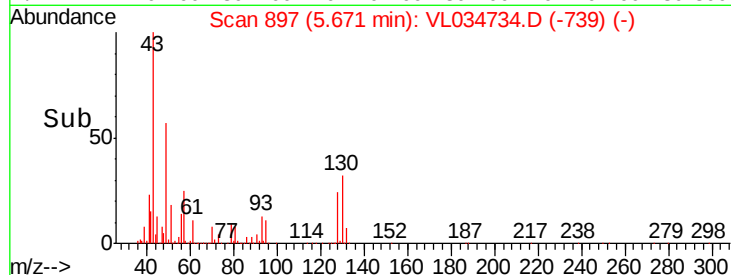
130 54.6 27.7 83.1



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: 11.134 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL034734.D

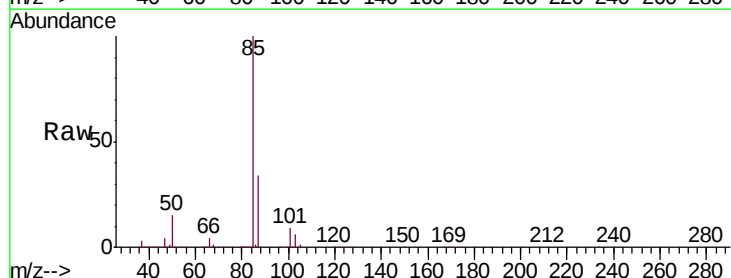
Acq: 28 Feb 2020 11:26

Tgt Ion: 85 Resp: 1757909

Ion Ratio Lower Upper

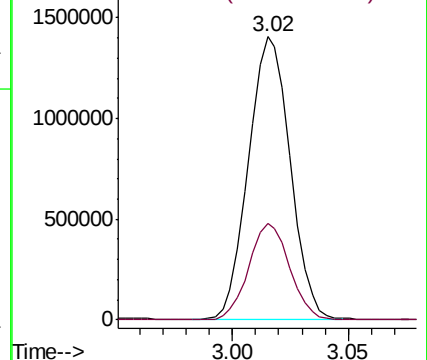
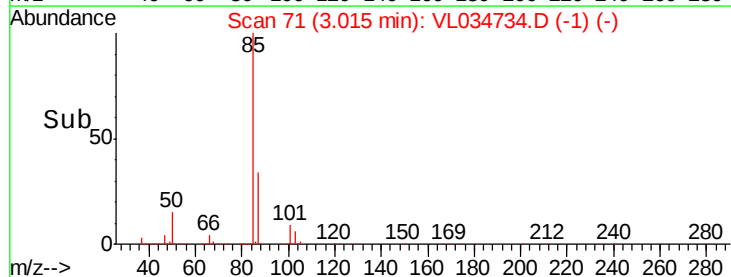
85 100

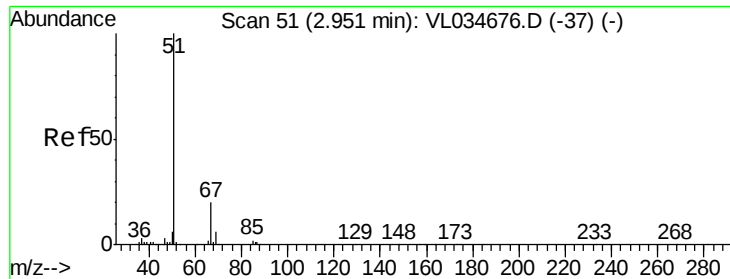
87 34.2 29.2 43.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.143 ppbv

RT: 2.96 min Scan# 53

Delta R.T. 0.01 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Instrument :

MSVOA_L

ClientSampleId :

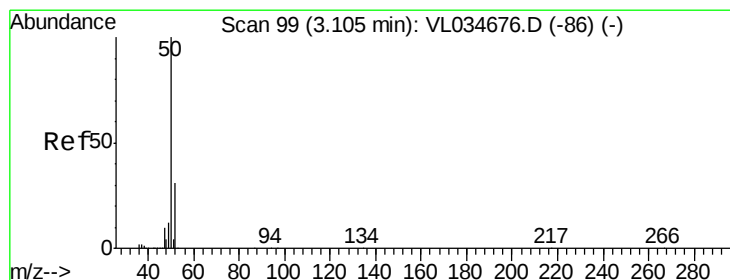
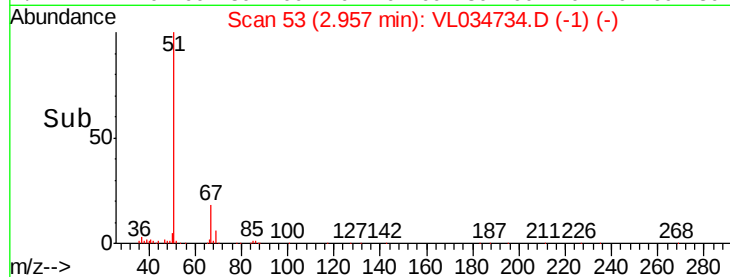
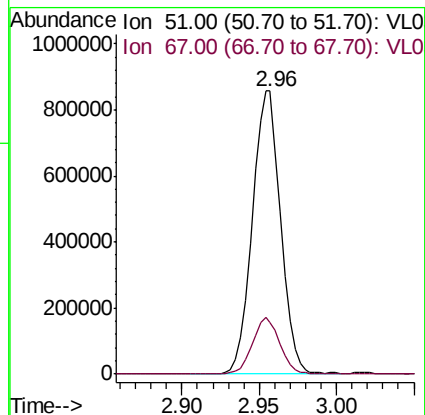
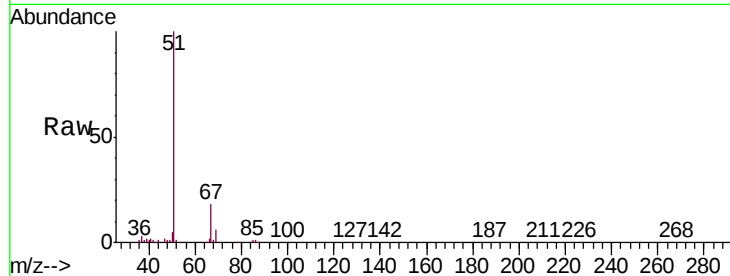
VL0228ABS01

Tgt Ion: 51 Resp: 1095583

Ion Ratio Lower Upper

51 100

67 19.3 15.5 23.3



#4

Chloromethane

Concen: 10.207 ppbv

RT: 3.11 min Scan# 100

Delta R.T. 0.00 min

Lab File: VL034734.D

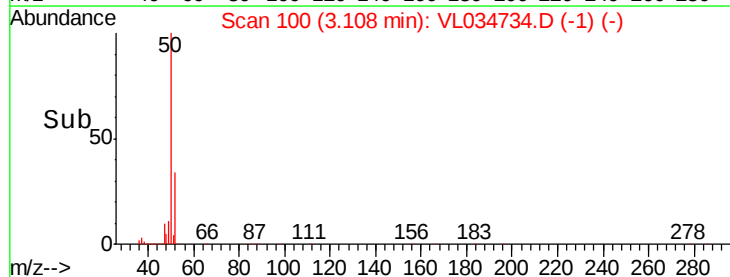
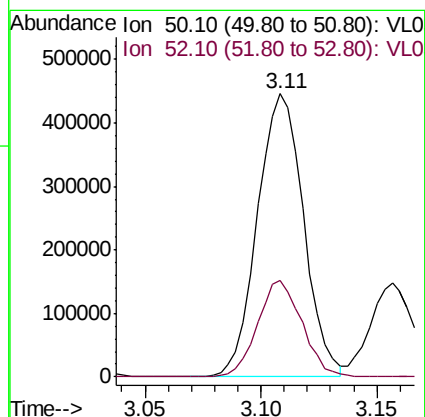
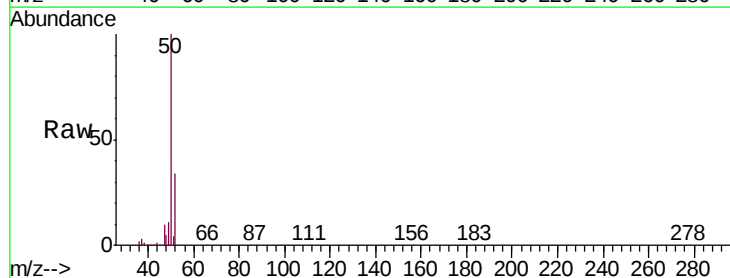
Acq: 28 Feb 2020 11:26

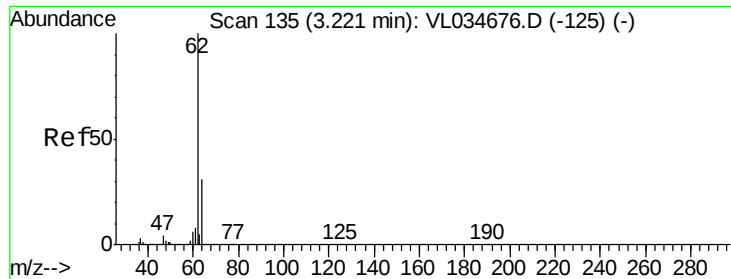
Tgt Ion: 50 Resp: 617147

Ion Ratio Lower Upper

50 100

52 34.2 25.0 37.4





#5

Vinyl Chloride

Concen: 10.342 ppbv

RT: 3.23 min Scan# 137

Delta R.T. 0.01 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Instrument :

MSVOA_L

ClientSampleId :

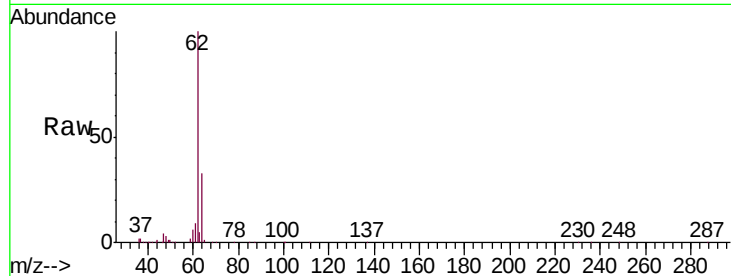
VL0228ABS01

Tgt Ion: 62 Resp: 613472

Ion Ratio Lower Upper

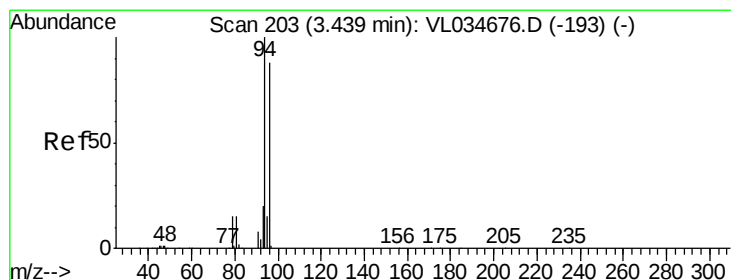
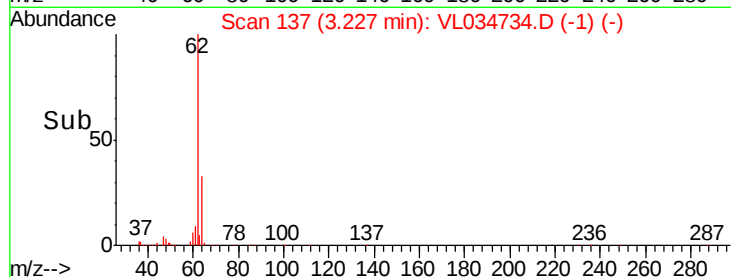
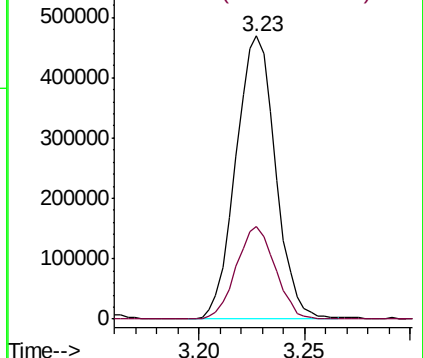
62 100

64 32.7 24.7 37.1



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.079 ppbv

RT: 3.45 min Scan# 205

Delta R.T. 0.01 min

Lab File: VL034734.D

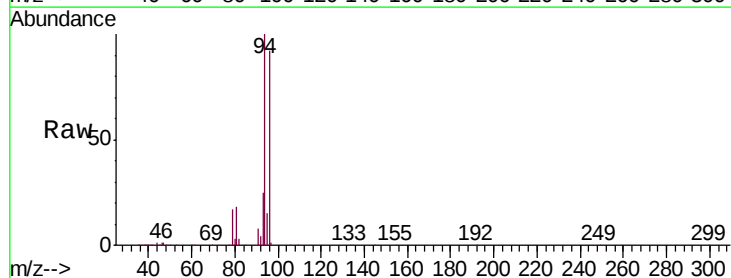
Acq: 28 Feb 2020 11:26

Tgt Ion: 94 Resp: 350239

Ion Ratio Lower Upper

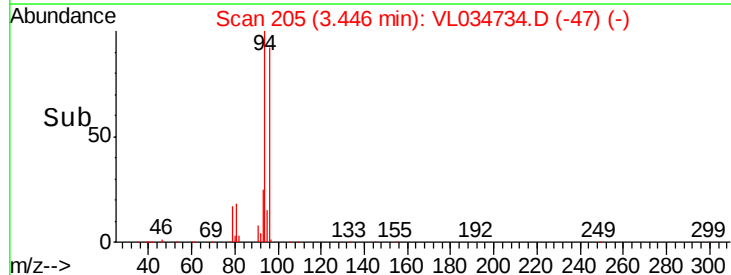
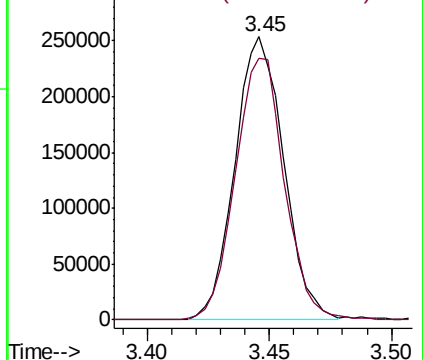
94 100

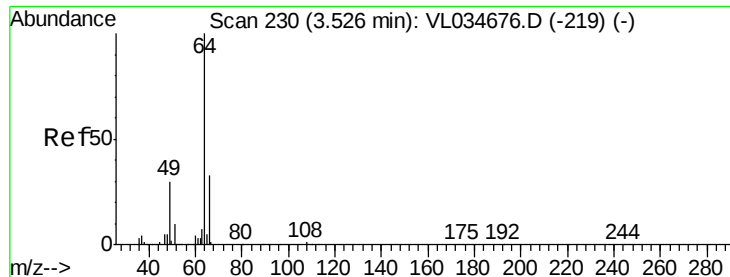
96 92.2 70.5 105.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.455 ppbv

RT: 3.53 min Scan# 231

Delta R.T. 0.00 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Instrument :

MSVOA_L

ClientSampleId :

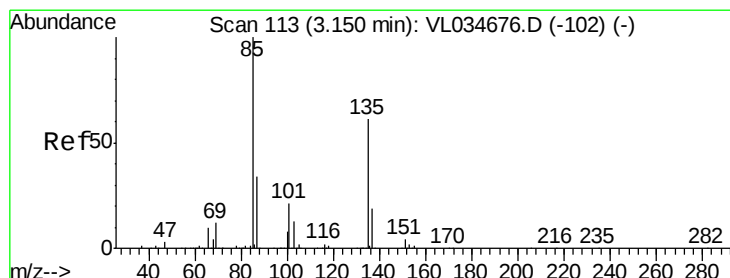
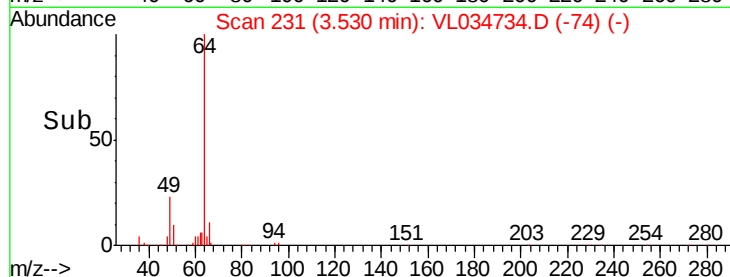
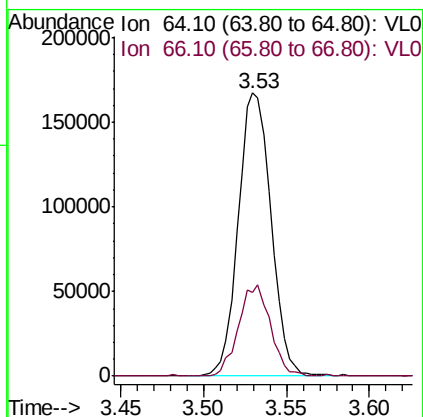
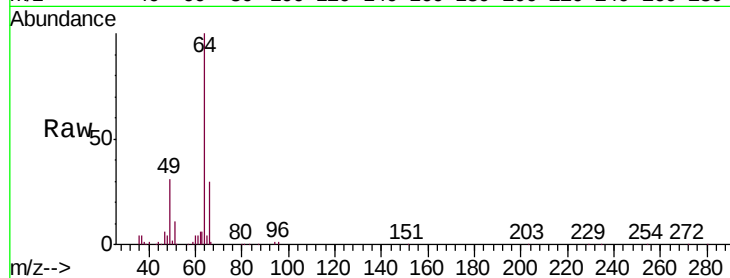
VL0228ABS01

Tgt Ion: 64 Resp: 230222

Ion Ratio Lower Upper

64 100

66 29.5 26.7 40.1



#8

Dichlorotetrafluoroethane

Concen: 9.941 ppbv

RT: 3.16 min Scan# 115

Delta R.T. 0.01 min

Lab File: VL034734.D

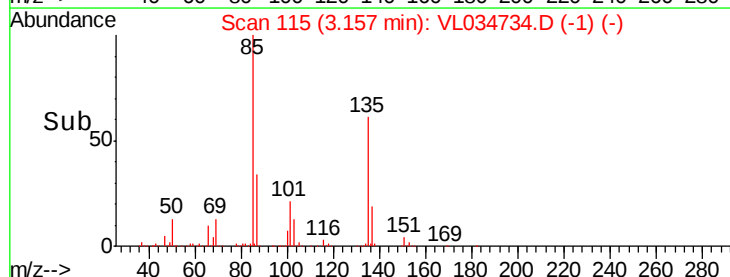
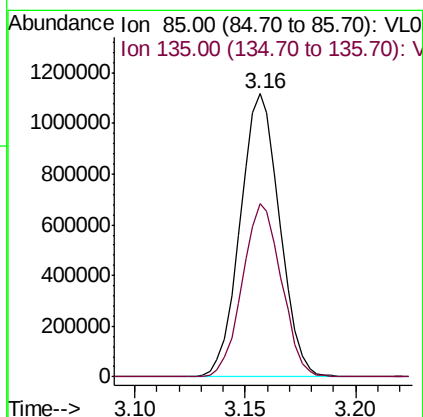
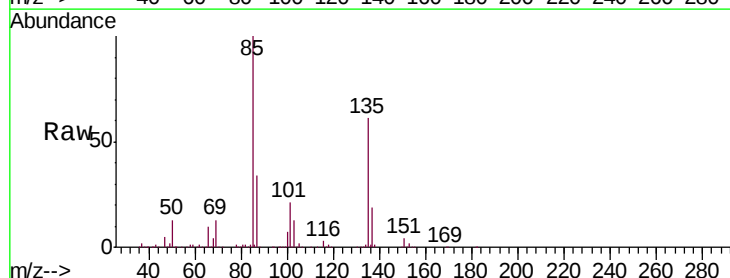
Acq: 28 Feb 2020 11:26

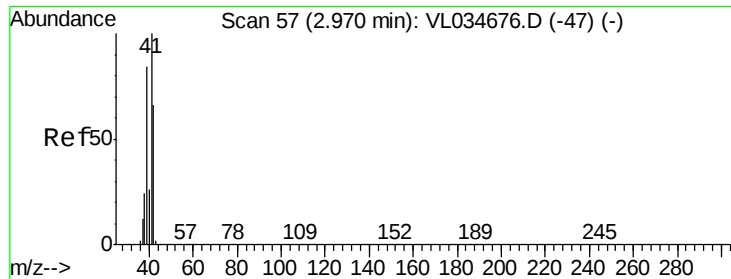
Tgt Ion: 85 Resp: 1388383

Ion Ratio Lower Upper

85 100

135 61.0 49.8 74.6





#9

Propene

Concen: 10.047 ppbv

RT: 2.97 min Scan# 58

Delta R.T. 0.00 min

Lab File: VL034734.D

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ClientSampleId :

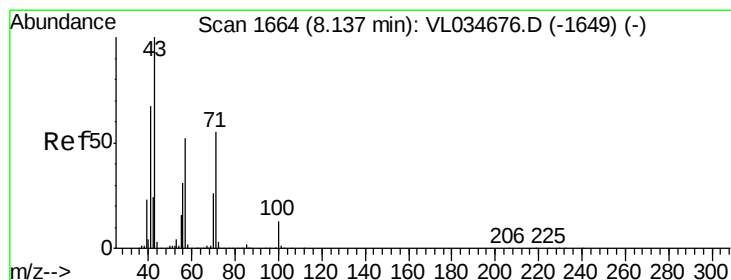
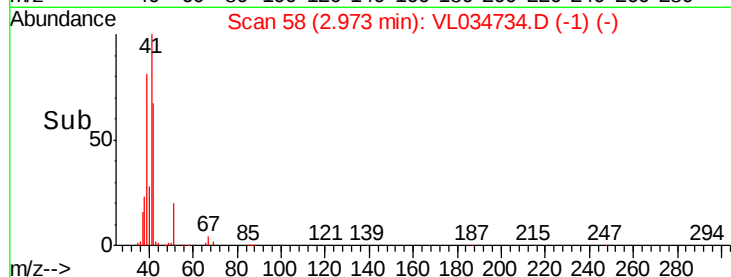
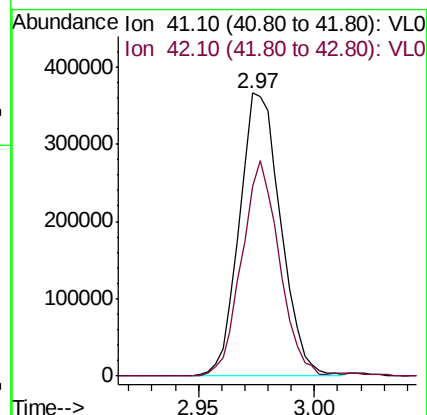
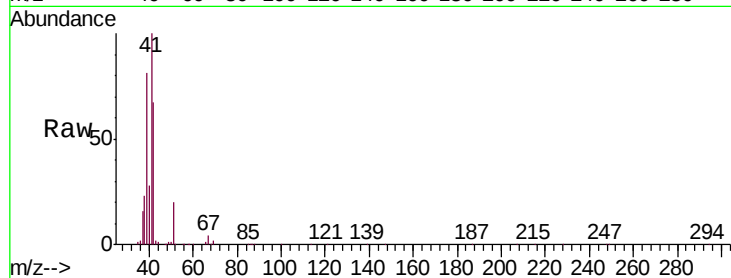
VL0228ABS01

Tgt Ion: 41 Resp: 453606

Ion Ratio Lower Upper

41 100

42 70.6 54.9 82.3



#10

Heptane

Concen: 10.913 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VL034734.D

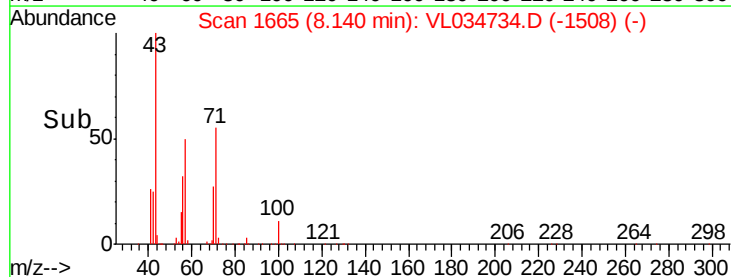
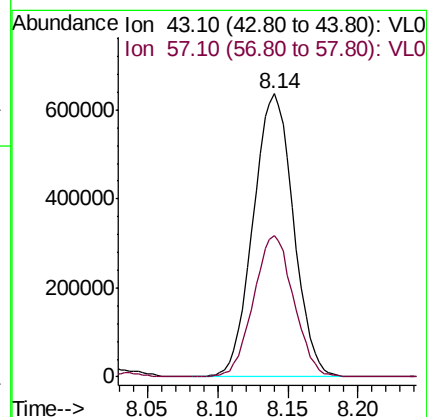
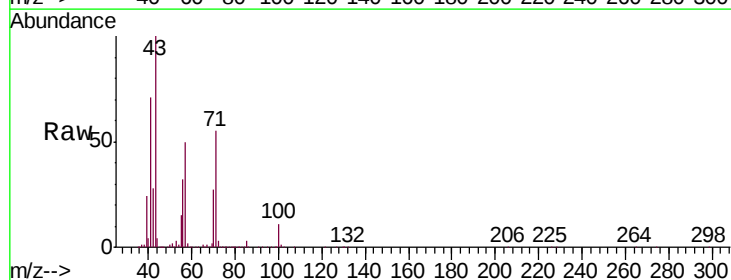
Acq: 28 Feb 2020 11:26

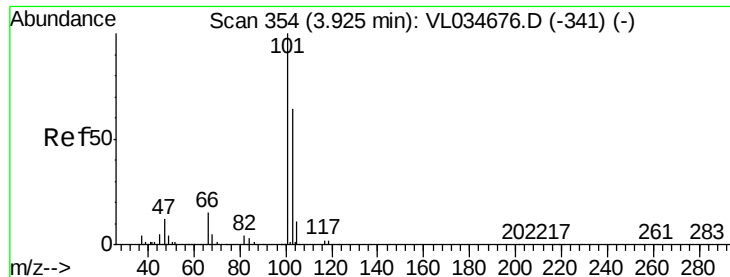
Tgt Ion: 43 Resp: 1268238

Ion Ratio Lower Upper

43 100

57 49.9 41.0 61.6

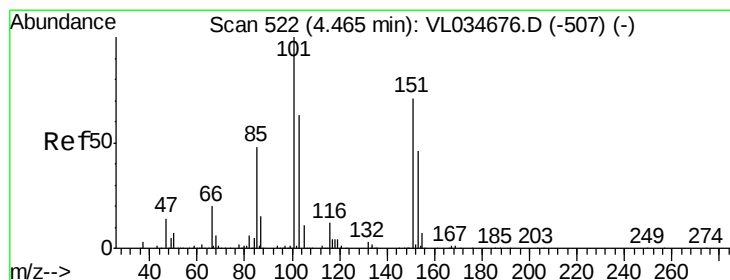
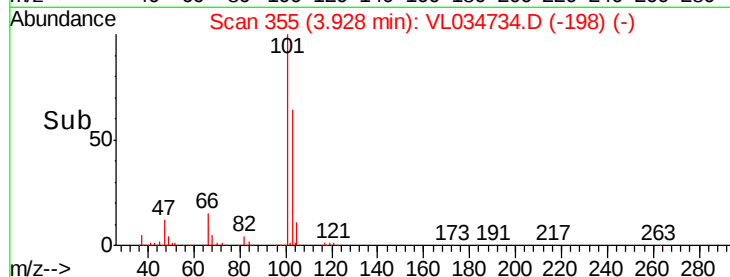
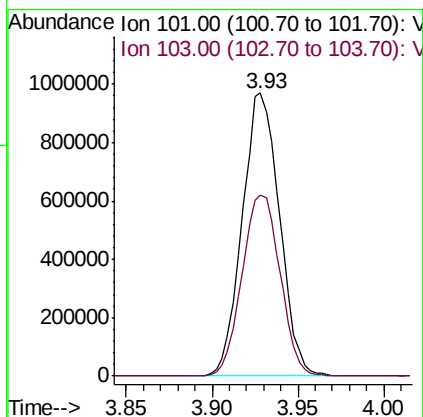
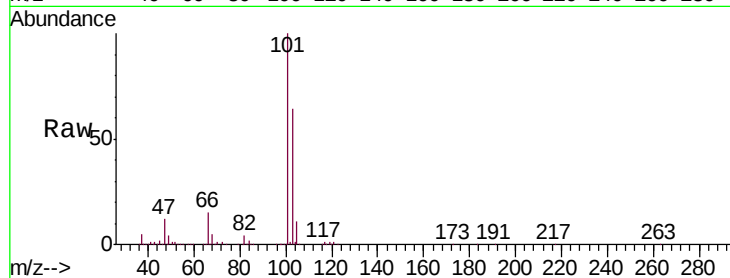




#11
 Trichlorofluoromethane
 Concen: 10.548 ppbv
 RT: 3.93 min Scan# 355
 Delta R.T. 0.00 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

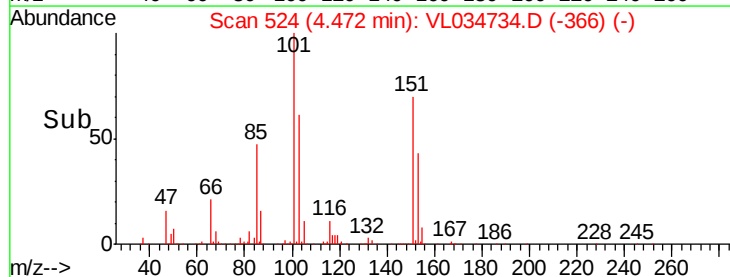
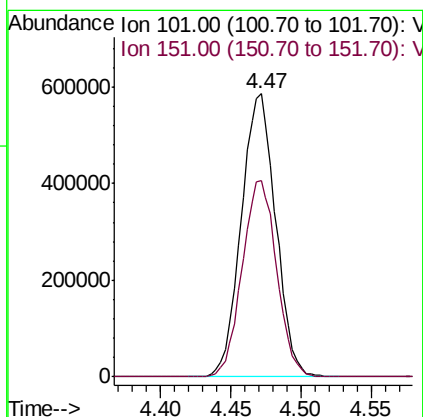
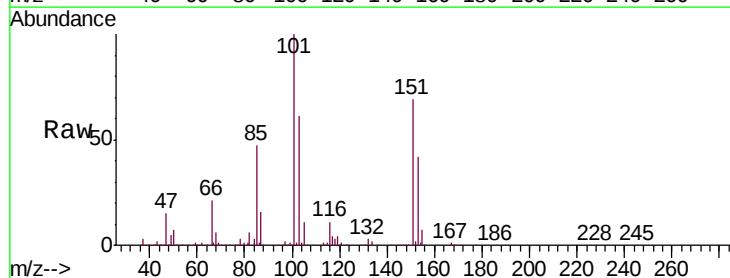
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0228ABS01

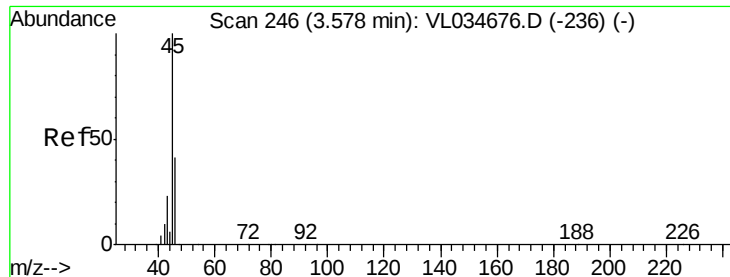
Tgt Ion:101 Resp: 1458738
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.2 76.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.283 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. 0.01 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

Tgt Ion:101 Resp: 1002366
 Ion Ratio Lower Upper
 101 100
 151 69.4 55.8 83.6





#13

Ethanol

Concen: 7.087 ppbv

RT: 3.58 min Scan# 247

Delta R.T. 0.00 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Instrument :

MSVOA_L

ClientSampleId :

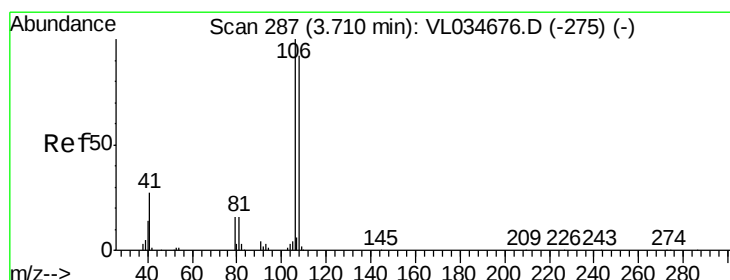
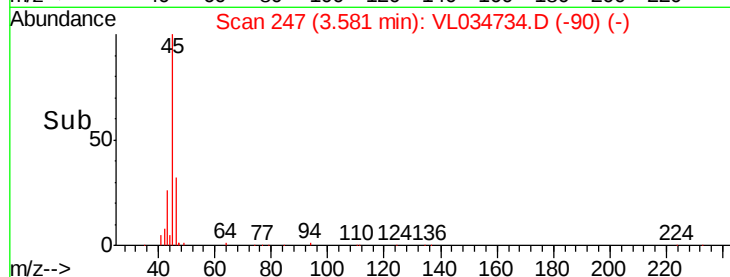
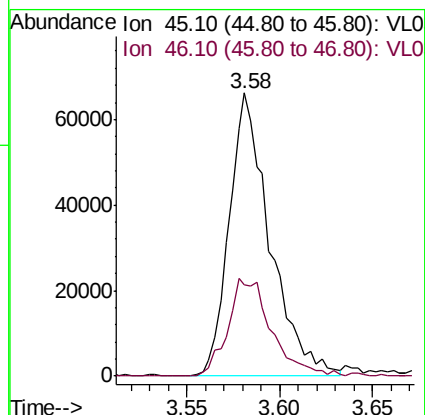
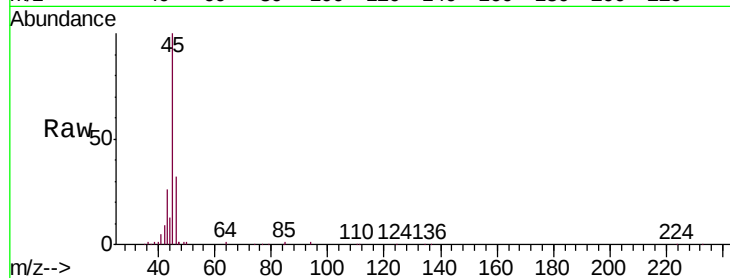
VL0228ABS01

Tgt Ion: 45 Resp: 101084

Ion Ratio Lower Upper

45 100

46 36.8 15.4 61.4



#14

Bromoethene

Concen: 10.501 ppbv

RT: 3.72 min Scan# 289

Delta R.T. 0.01 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

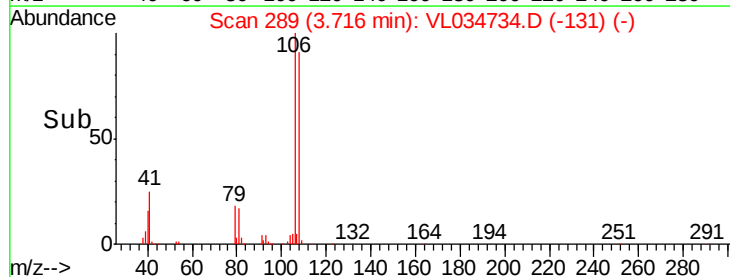
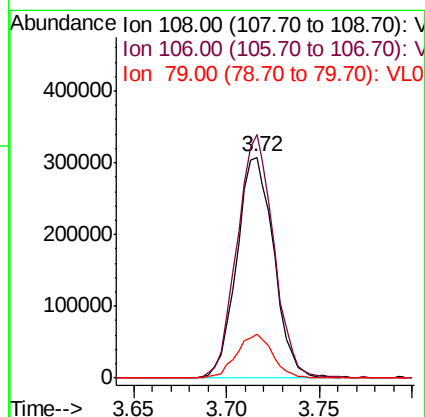
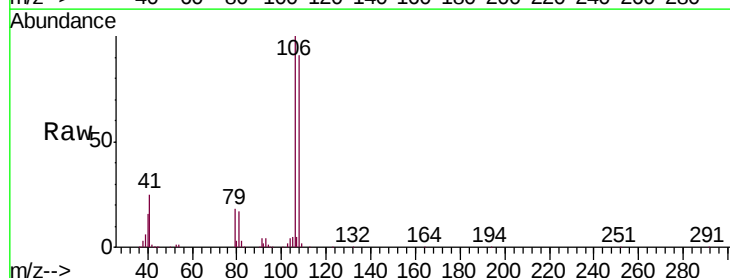
Tgt Ion: 108 Resp: 427104

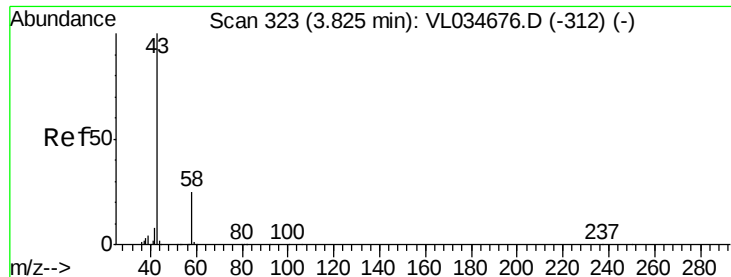
Ion Ratio Lower Upper

108 100

106 109.8 86.7 130.1

79 19.8 15.0 22.6





#15

Acetone

Concen: 9.833 ppbv

RT: 3.83 min Scan# 324

Delta R.T. 0.00 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Instrument :

MSVOA_L

ClientSampleId :

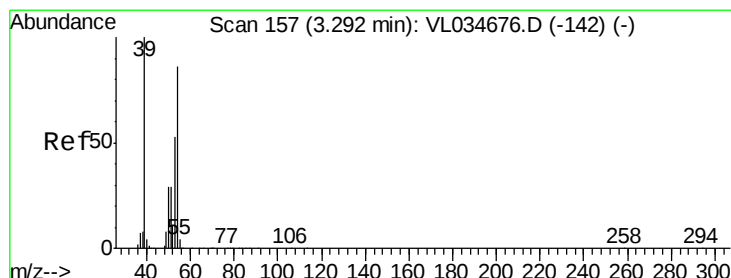
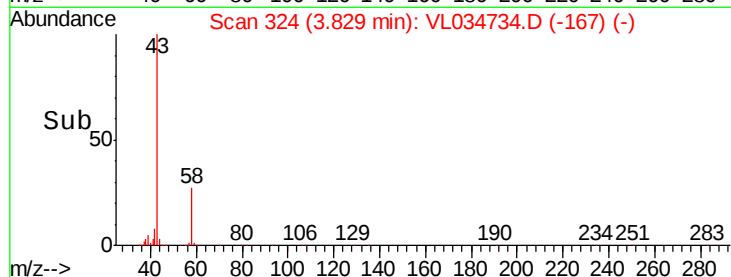
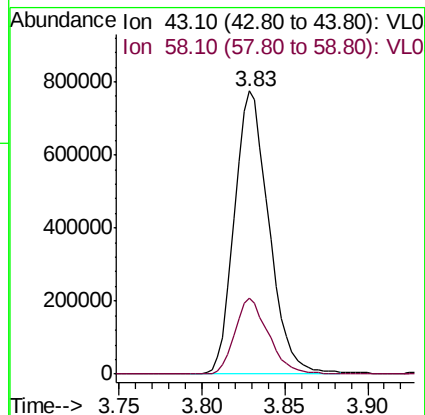
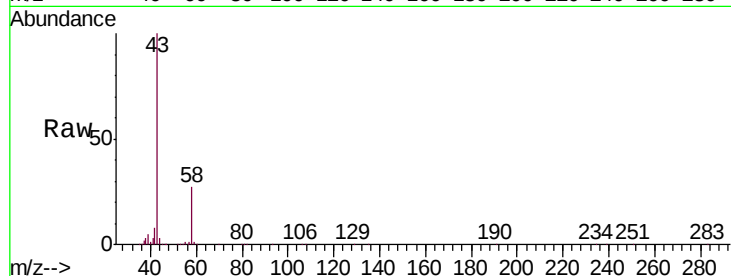
VL0228ABS01

Tgt Ion: 43 Resp: 1121395

Ion Ratio Lower Upper

43 100

58 26.3 21.4 32.0



#16

1,3-Butadiene

Concen: 10.706 ppbv

RT: 3.30 min Scan# 159

Delta R.T. 0.01 min

Lab File: VL034734.D

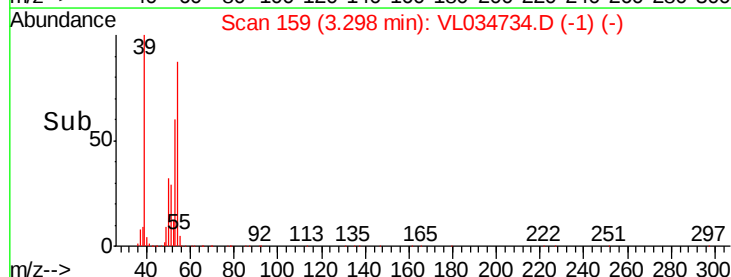
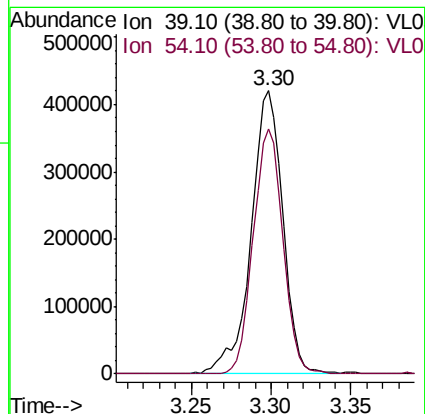
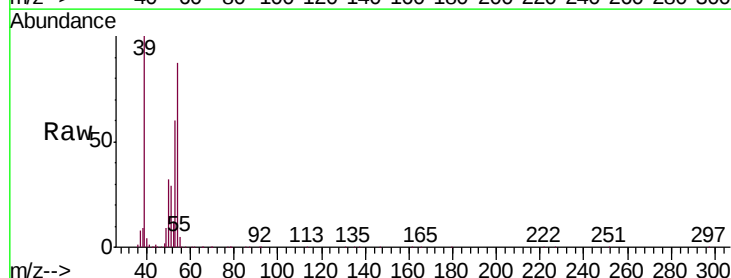
Acq: 28 Feb 2020 11:26

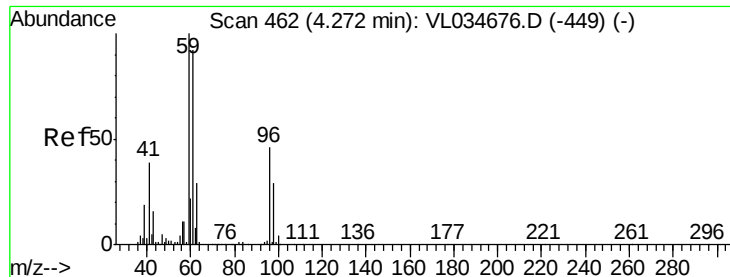
Tgt Ion: 39 Resp: 565226

Ion Ratio Lower Upper

39 100

54 81.8 67.0 100.6





#17

tert-Butyl alcohol

Concen: 8.882 ppbv

RT: 4.28 min Scan# 464

Delta R.T. 0.01 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Instrument :

MSVOA_L

ClientSampleId :

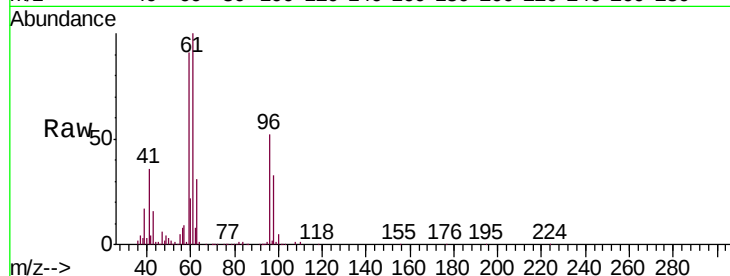
VL0228ABS01

Tgt Ion: 59 Resp: 776242

Ion Ratio Lower Upper

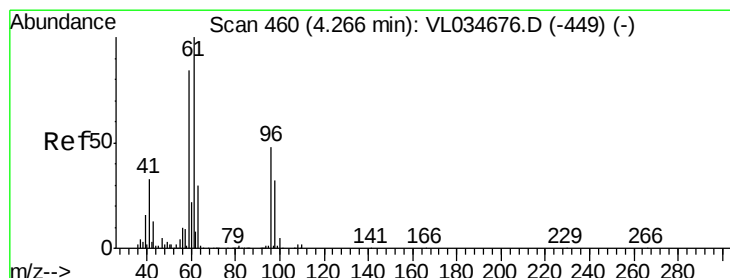
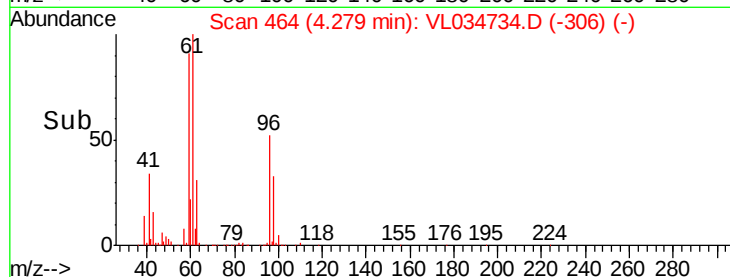
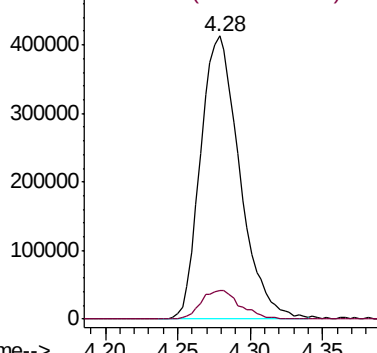
59 100

57 10.3 8.8 13.2



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 10.350 ppbv

RT: 4.27 min Scan# 462

Delta R.T. 0.01 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

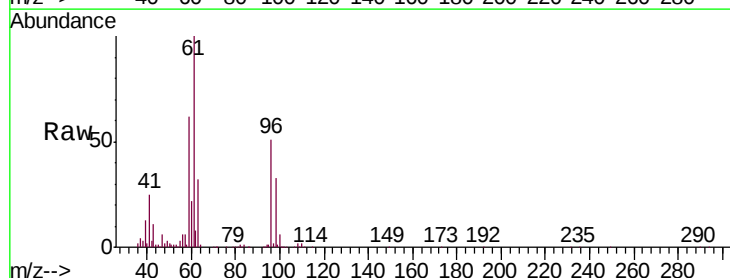
Tgt Ion: 96 Resp: 452941

Ion Ratio Lower Upper

96 100

61 195.0 165.1 247.7

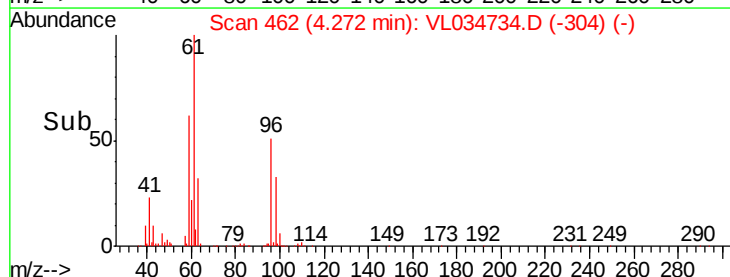
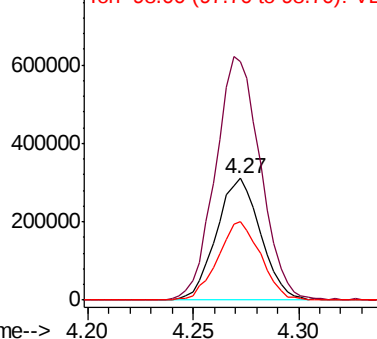
98 64.7 52.7 79.1

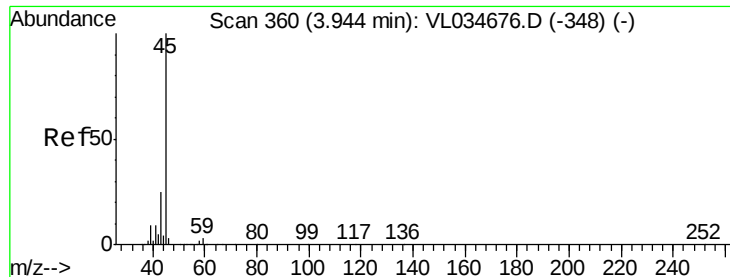


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

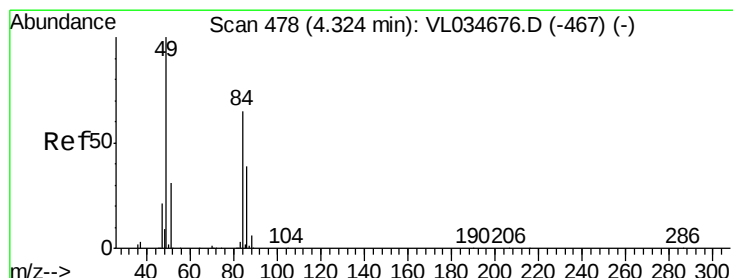
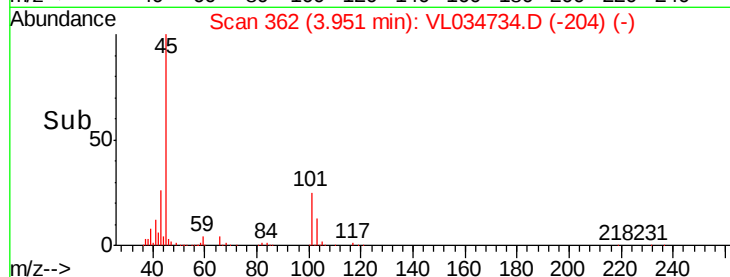
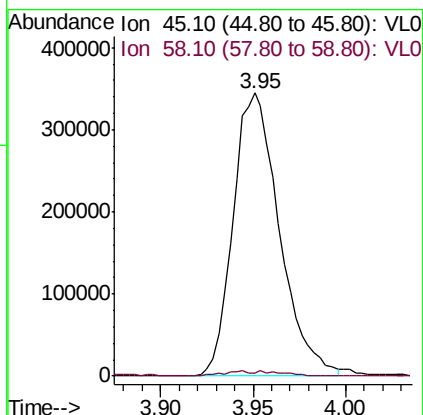
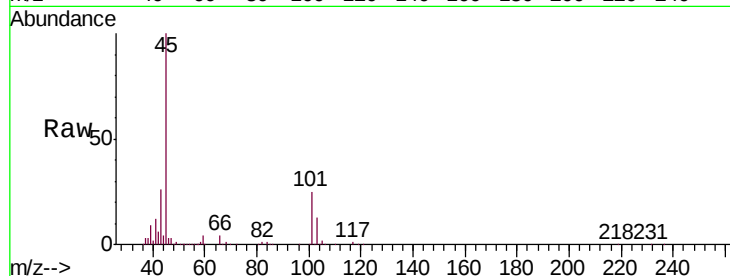




#19
Isopropyl Alcohol
Concen: 8.758 ppbv
RT: 3.95 min Scan# 362
Delta R.T. 0.01 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

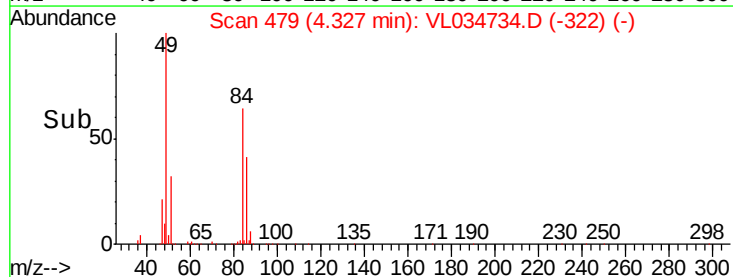
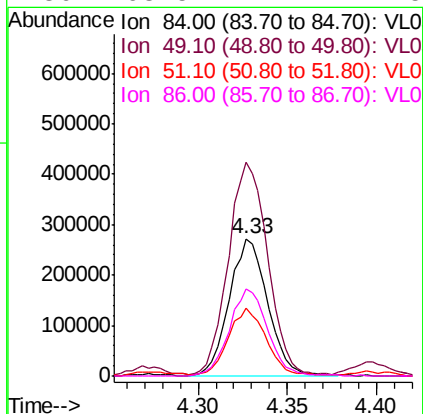
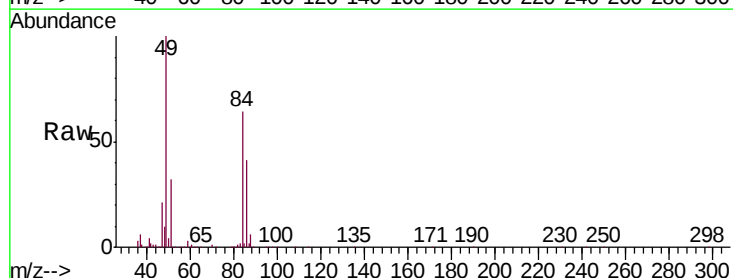
Instrument :
MSVOA_L
ClientSampleId :
VL0228ABS01

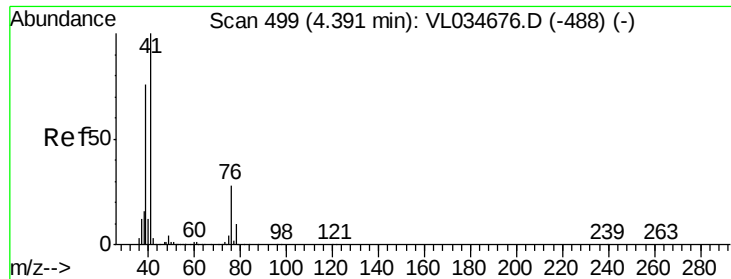
Tgt Ion: 45 Resp: 594948
Ion Ratio Lower Upper
45 100
58 2.2 1.8 2.6



#20
Methylene Chloride
Concen: 9.546 ppbv
RT: 4.33 min Scan# 479
Delta R.T. 0.00 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

Tgt Ion: 84 Resp: 404889
Ion Ratio Lower Upper
84 100
49 155.3 122.8 184.2
51 48.8 38.6 58.0
86 63.5 47.7 71.5

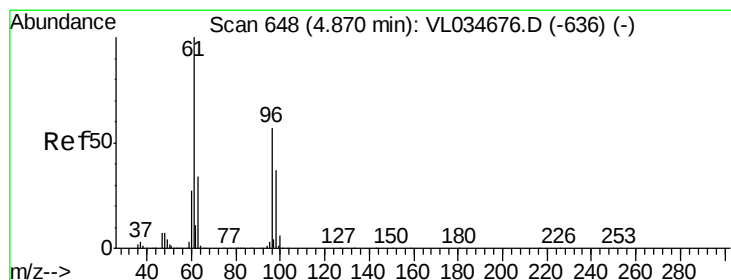
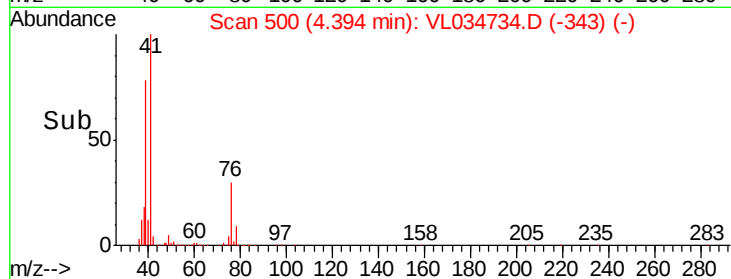
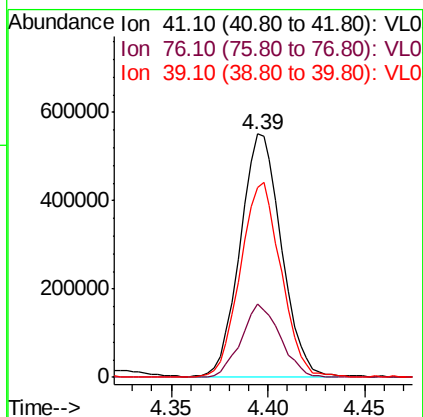
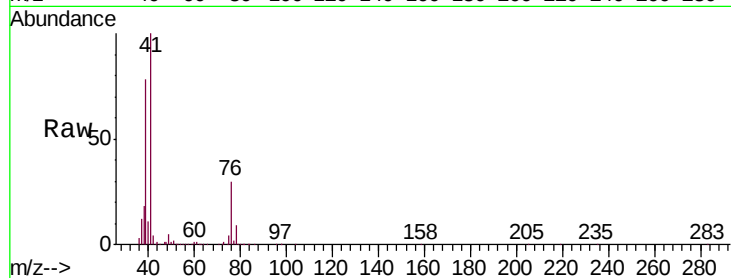




#21
 Allyl Chloride
 Concen: 10.819 ppbv
 RT: 4.39 min Scan# 500
 Delta R.T. 0.00 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

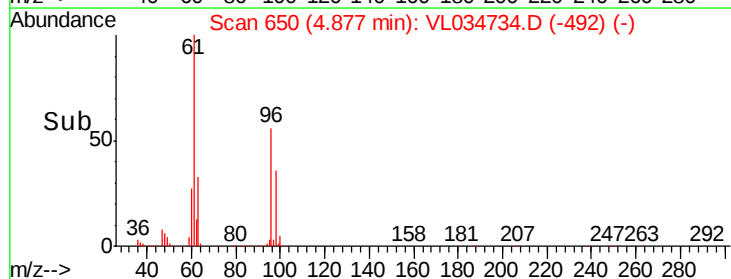
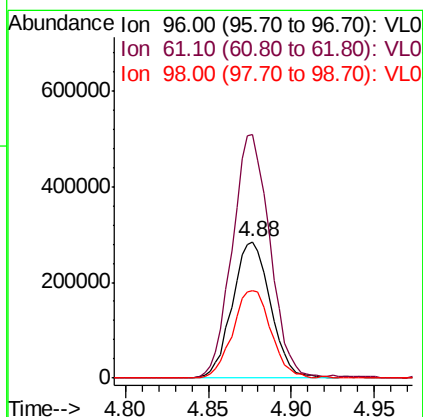
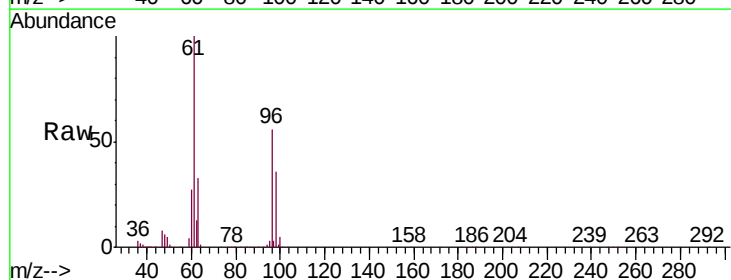
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0228ABS01

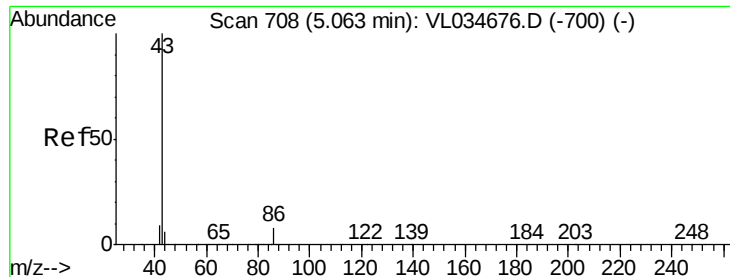
Tgt Ion: 41 Resp: 816342
 Ion Ratio Lower Upper
 41 100
 76 28.5 22.8 34.2
 39 78.9 61.7 92.5



#22
 trans-1,2-Dichloroethene
 Concen: 10.646 ppbv
 RT: 4.88 min Scan# 650
 Delta R.T. 0.01 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

Tgt Ion: 96 Resp: 454280
 Ion Ratio Lower Upper
 96 100
 61 178.6 139.4 209.0
 98 64.6 51.3 76.9





#23

Vinyl Acetate

Concen: 11.556 ppbv

RT: 5.07 min Scan# 709

Delta R.T. 0.00 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Instrument :

MSVOA_L

ClientSampleId :

VL0228ABS01

Tgt Ion: 43 Resp: 1791748

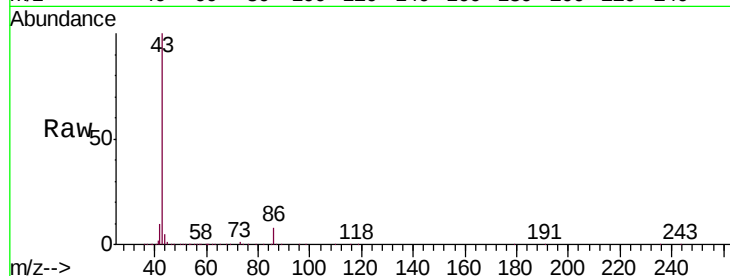
Ion Ratio Lower Upper

43 100

86 7.6 6.0 9.0

42 10.2 8.0 12.0

44 5.3 4.5 6.7

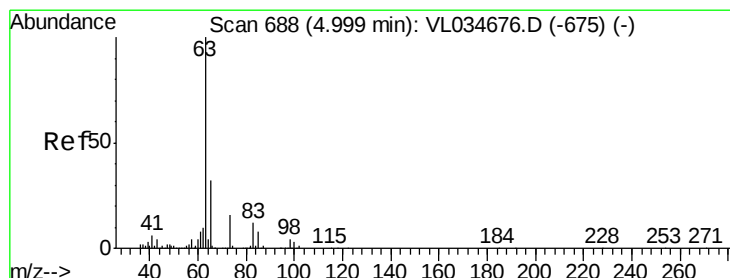
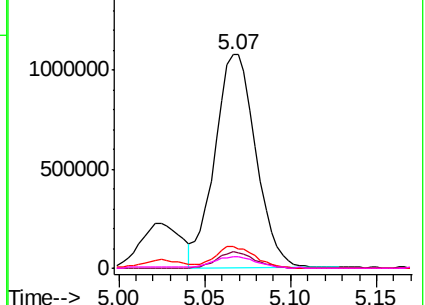
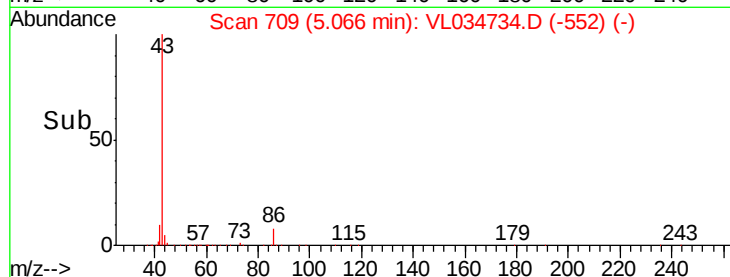


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.156 ppbv

RT: 5.01 min Scan# 690

Delta R.T. 0.01 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

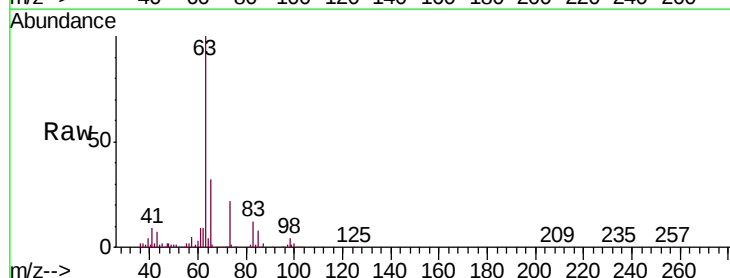
Tgt Ion: 63 Resp: 1257552

Ion Ratio Lower Upper

63 100

98 4.2 2.1 6.2

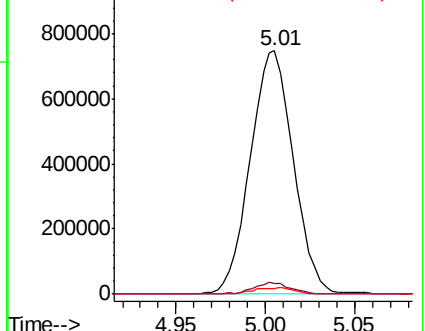
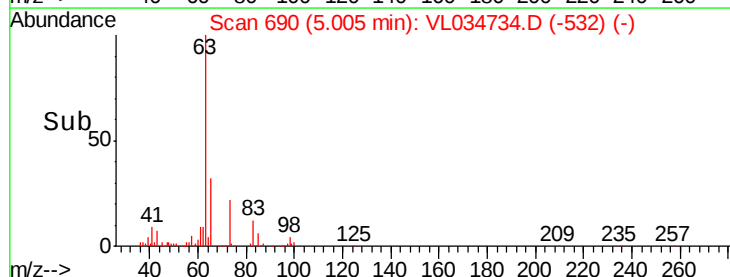
100 2.3 1.4 4.0

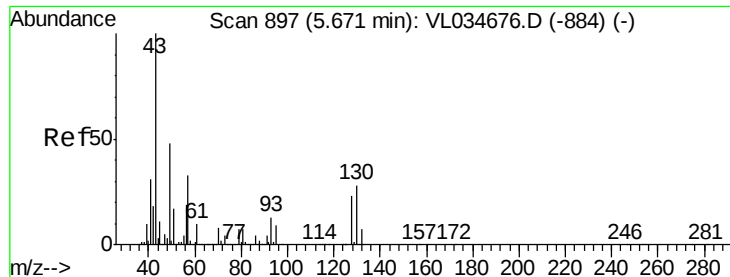


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



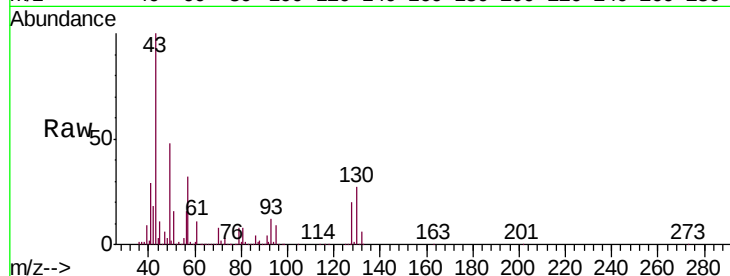


#25
Ethyl Acetate
Concen: 10.496 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

Instrument :
MSVOA_L
ClientSampleId :
VL0228ABS01

Tgt Ion: 43 Resp: 2119105

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.2	12.4
61	9.9	7.8	11.6
70	7.2	6.1	9.1



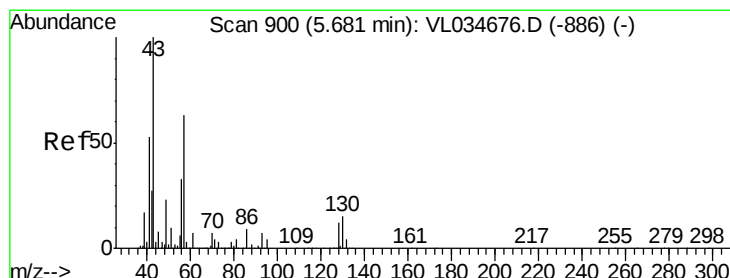
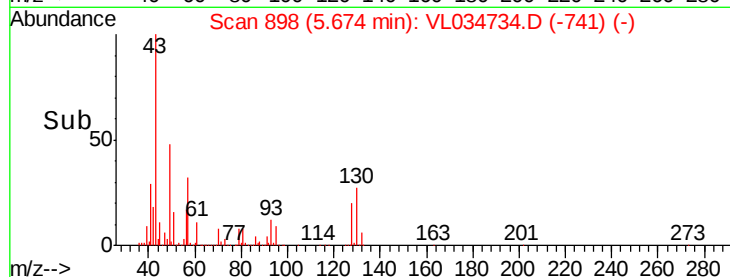
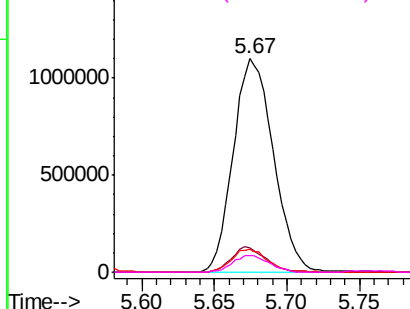
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

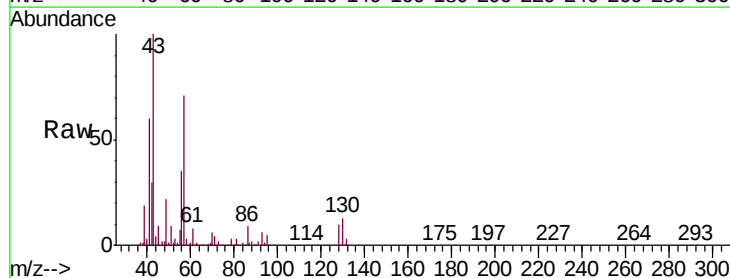
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 10.275 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

Tgt Ion: 57 Resp: 956125

Ion	Ratio	Lower	Upper
57	100		
41	90.4	70.3	105.5
43	222.7	177.0	265.4
56	52.7	42.6	64.0



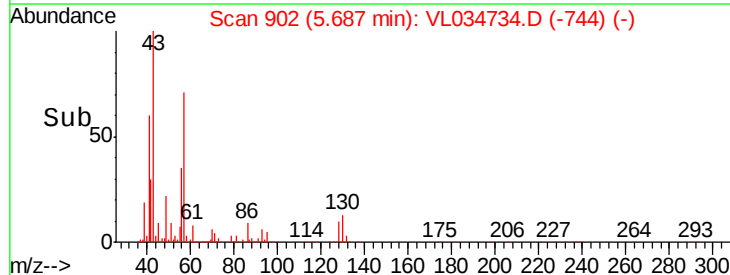
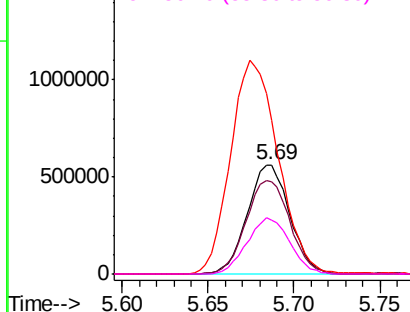
Abundance

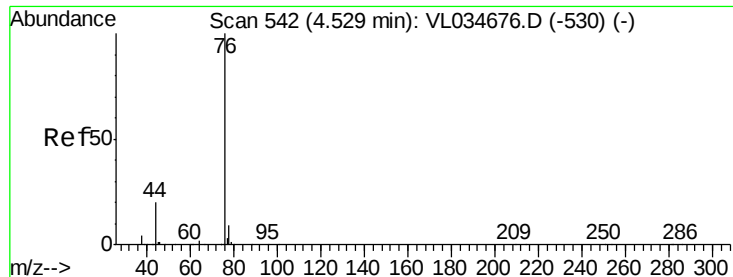
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 11.572 ppbv

RT: 4.54 min Scan# 544

Delta R.T. 0.01 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Instrument :

MSVOA_L

ClientSampleId :

VL0228ABS01

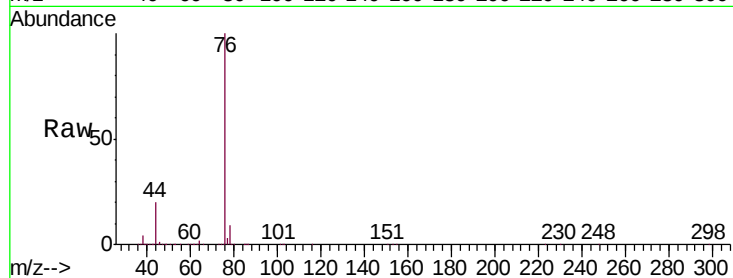
Tgt Ion: 76 Resp: 1222294

Ion Ratio Lower Upper

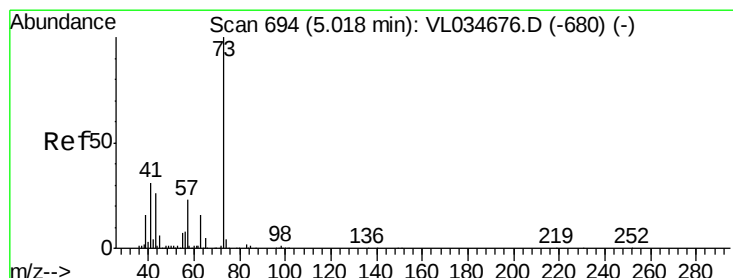
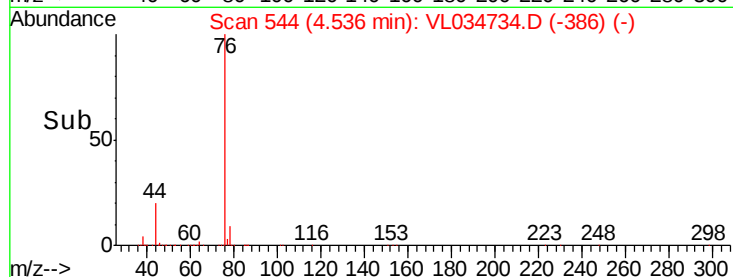
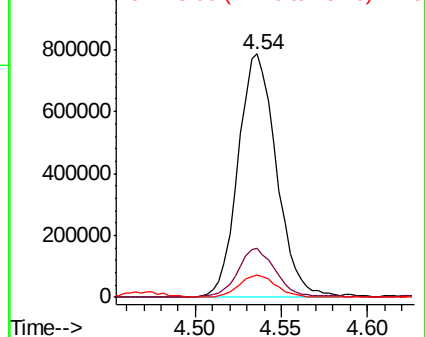
76 100

44 20.1 15.3 22.9

78 9.1 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.781 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.01 min

Lab File: VL034734.D

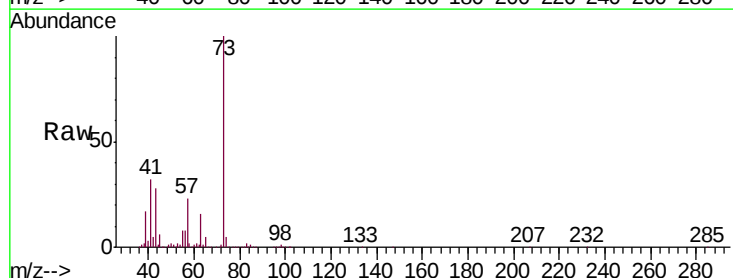
Acq: 28 Feb 2020 11:26

Tgt Ion: 73 Resp: 1433190

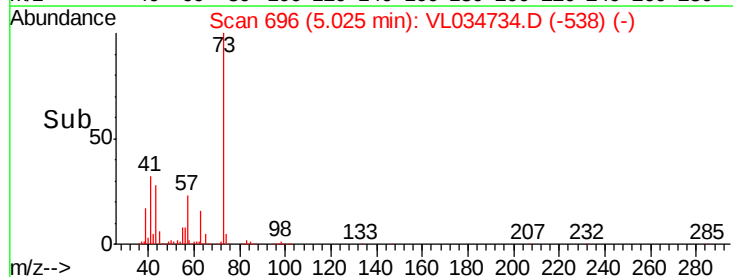
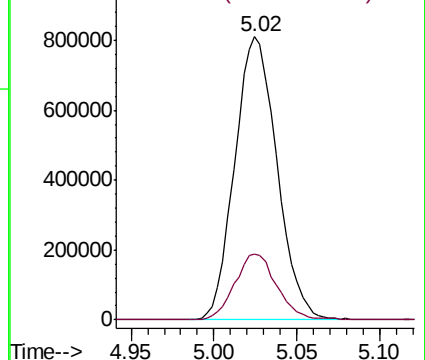
Ion Ratio Lower Upper

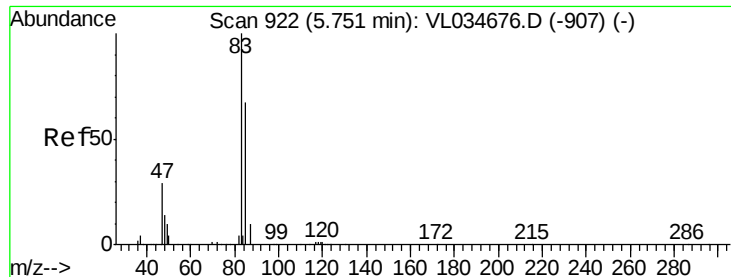
73 100

57 23.3 18.6 28.0



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





#29

Chloroform

Concen: 10.183 ppbv

RT: 5.75 min Scan# 923

Delta R.T. 0.00 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Instrument :

MSVOA_L

ClientSampleId :

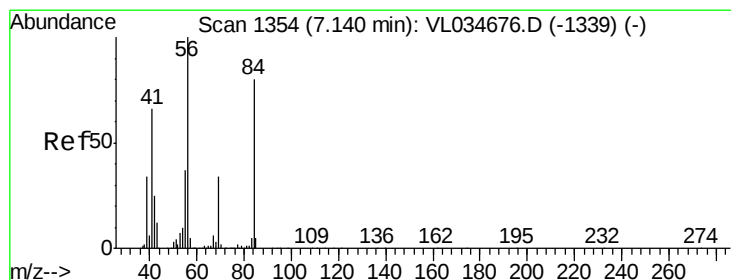
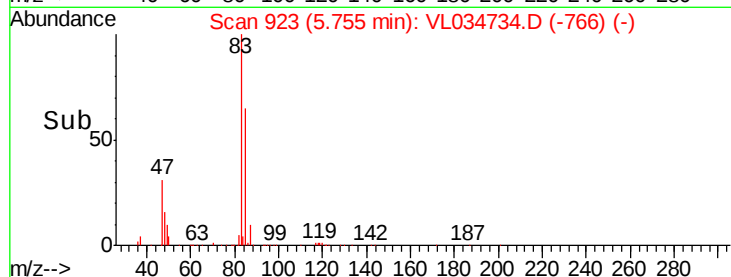
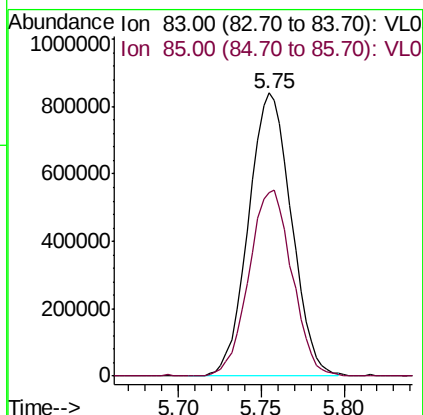
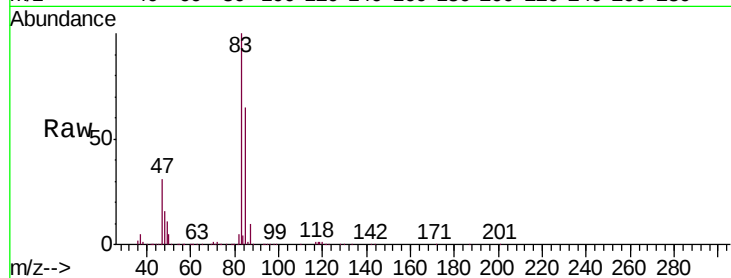
VL0228ABS01

Tgt Ion: 83 Resp: 1509619

Ion Ratio Lower Upper

83 100

85 65.0 53.9 80.9



#30

Cyclohexane

Concen: 10.642 ppbv

RT: 7.14 min Scan# 1354

Delta R.T. 0.00 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

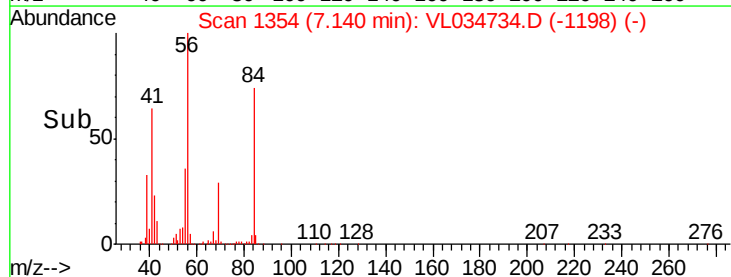
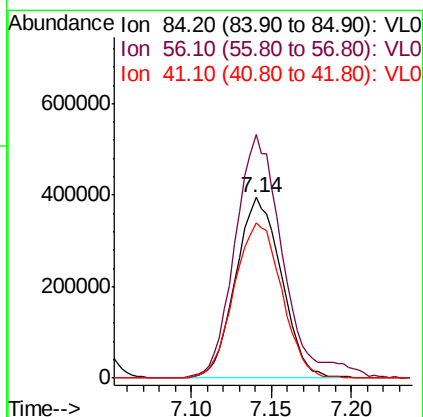
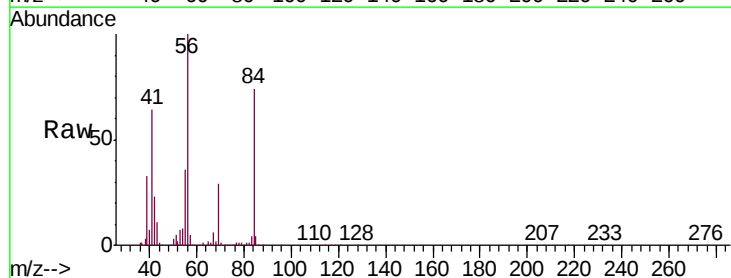
Tgt Ion: 84 Resp: 767456

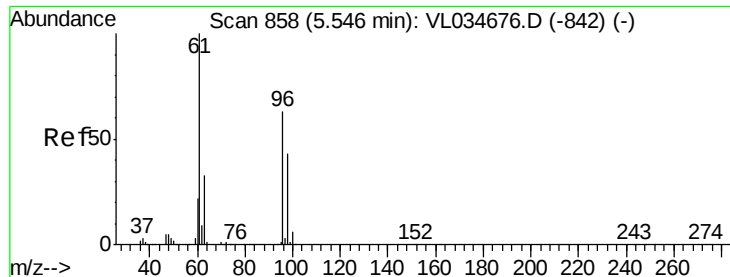
Ion Ratio Lower Upper

84 100

56 141.7 113.4 170.2

41 89.9 68.2 102.4



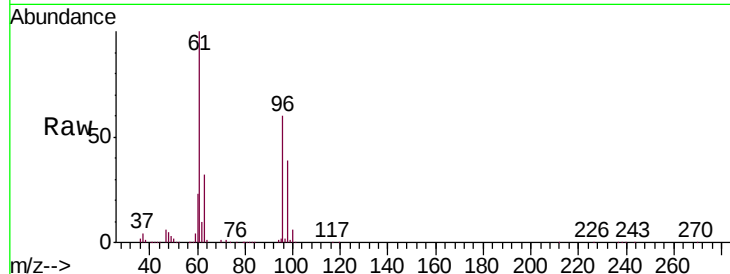


#31

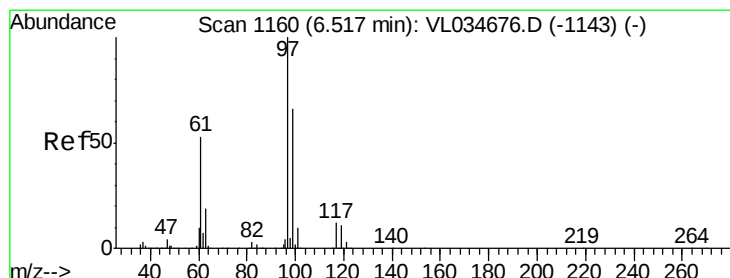
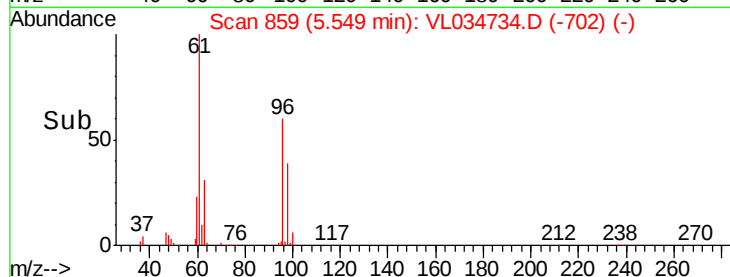
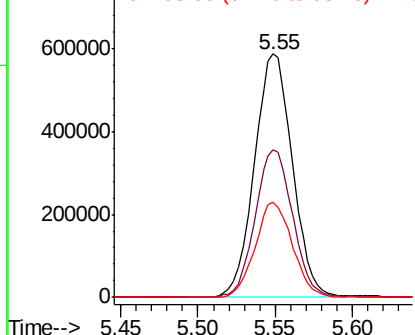
cis-1,2-Dichloroethene
Concen: 10.968 ppbv
RT: 5.55 min Scan# 859
Delta R.T. 0.00 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

Instrument :
MSVOA_L
ClientSampleId :
VL0228ABS01

Tgt Ion: 61 Resp: 1004301
Ion Ratio Lower Upper
61 100
96 60.4 50.2 75.2
98 39.1 34.3 51.5



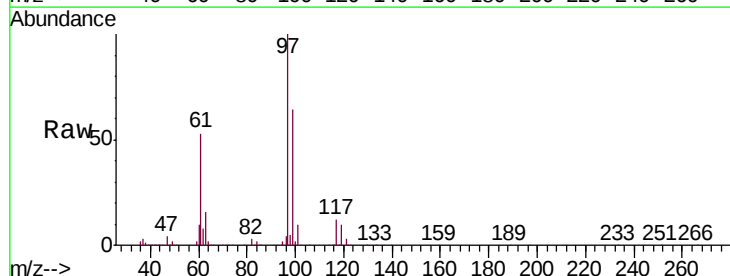
Abundance Ion 61.10 (60.80 to 61.80): VL0
800000
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



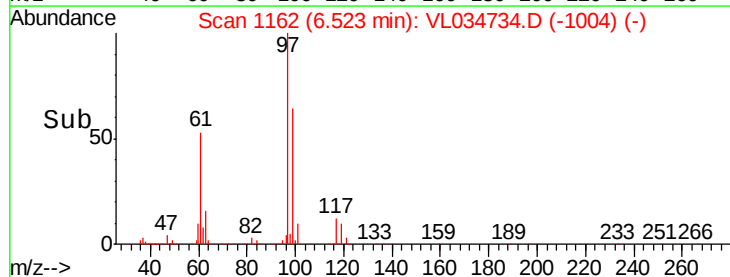
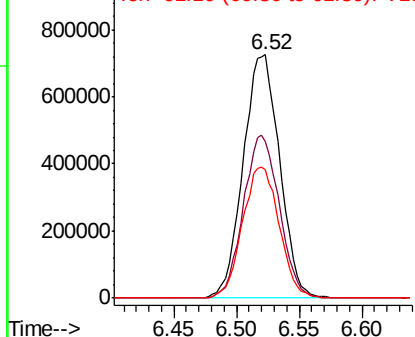
#32

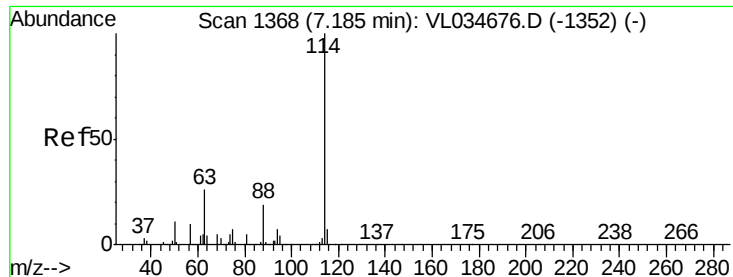
1,1,1-Trichloroethane
Concen: 10.601 ppbv
RT: 6.52 min Scan# 1162
Delta R.T. 0.01 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

Tgt Ion: 97 Resp: 1467584
Ion Ratio Lower Upper
97 100
99 66.1 52.3 78.5
61 54.4 42.8 64.2



Abundance Ion 97.00 (96.70 to 97.70): VL0
1000000
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0

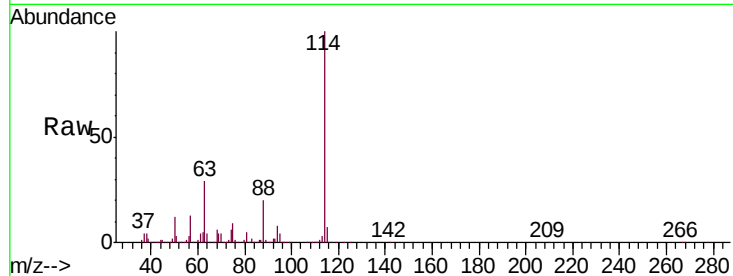




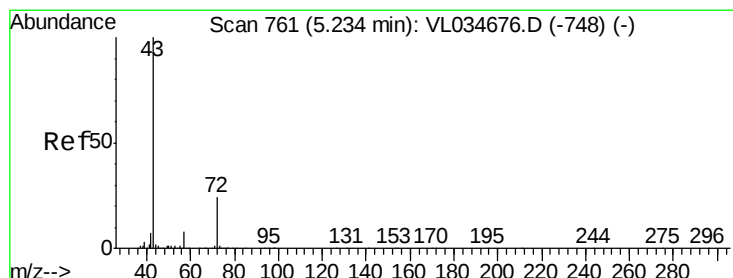
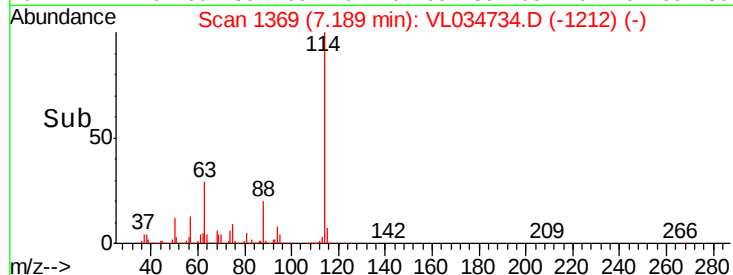
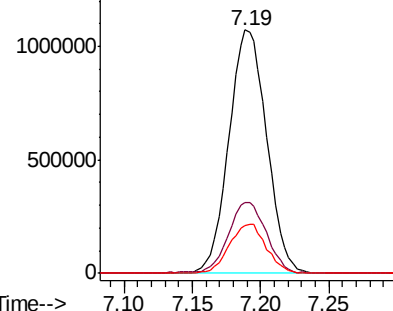
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0228ABS01

Tgt Ion:114 Resp: 2057688
 Ion Ratio Lower Upper
 114 100
 63 30.0 22.9 34.3
 88 19.7 15.8 23.6

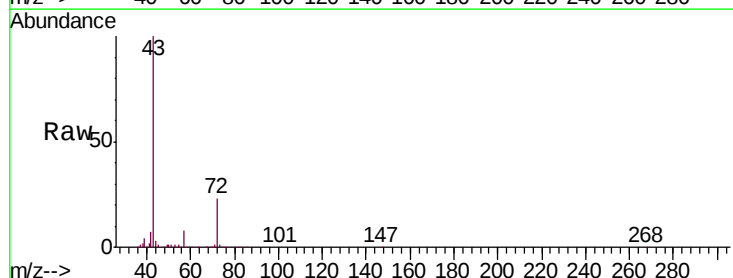


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

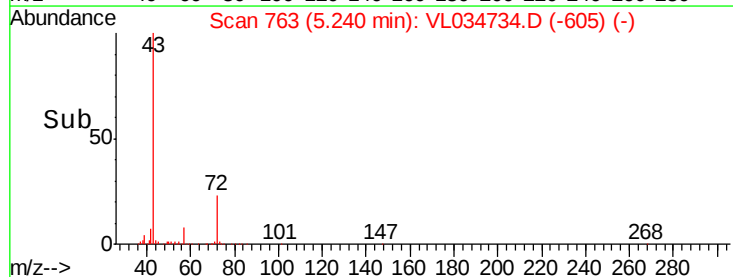
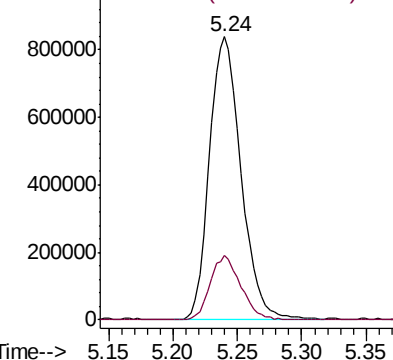


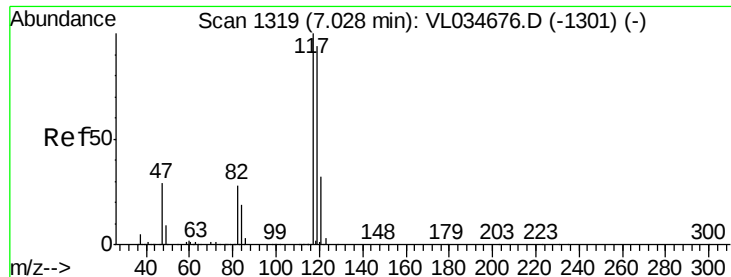
#34
 2-Butanone
 Concen: 10.934 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

Tgt Ion: 43 Resp: 1416180
 Ion Ratio Lower Upper
 43 100
 72 22.3 18.2 27.2



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





#35

Carbon Tetrachloride

Concen: 11.042 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. 0.00 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Instrument :

MSVOA_L

ClientSampleId :

VL0228ABS01

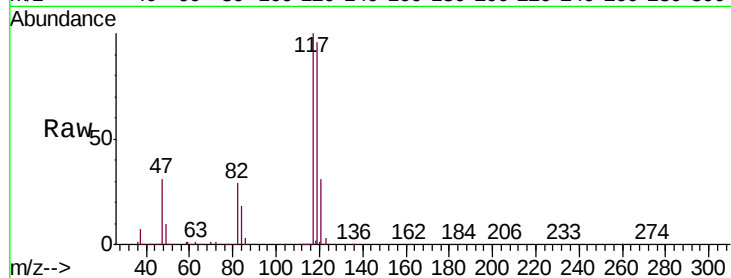
Tgt Ion: 117 Resp: 1521691

Ion Ratio Lower Upper

117 100

119 96.1 75.5 113.3

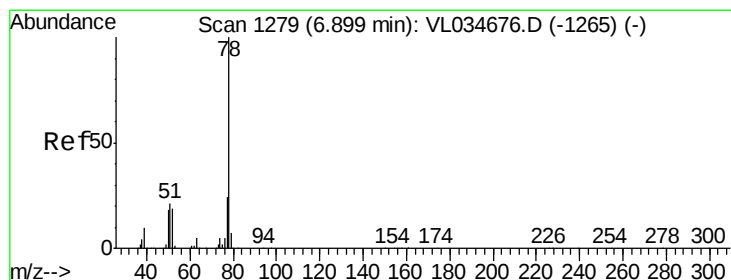
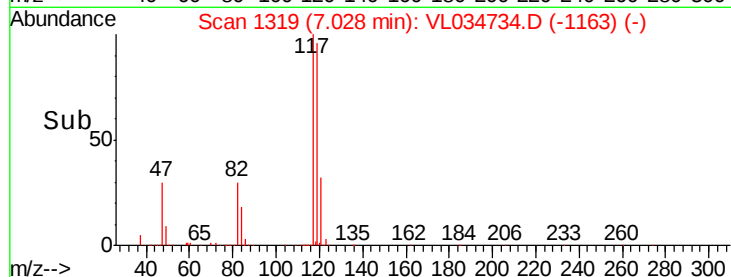
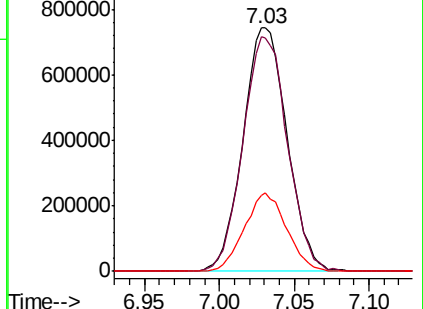
121 31.3 25.4 38.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.574 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.00 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

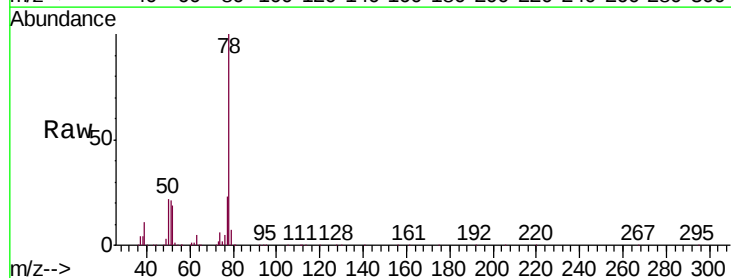
Tgt Ion: 78 Resp: 1879297

Ion Ratio Lower Upper

78 100

77 23.4 19.5 29.3

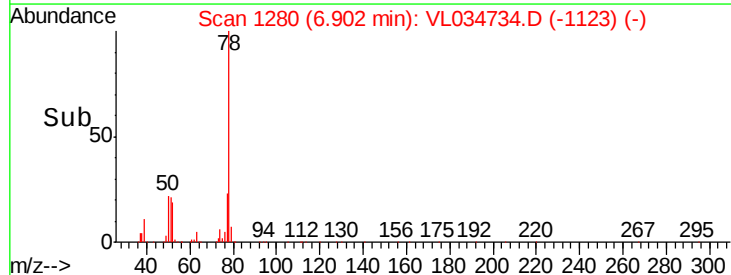
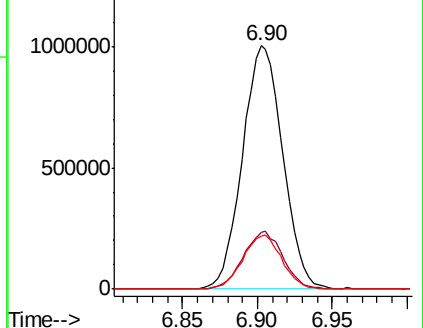
50 21.8 14.6 21.8

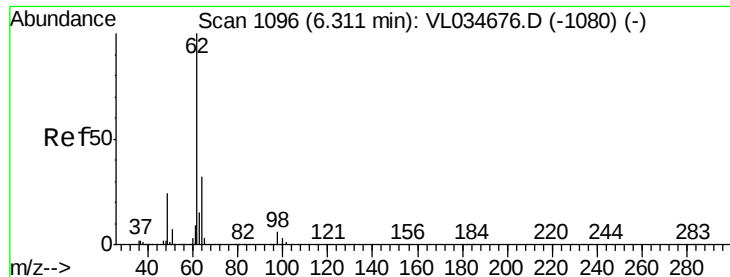


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 11.338 ppbv

RT: 6.31 min Scan# 1097

Delta R.T. 0.00 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Instrument :

MSVOA_L

ClientSampleId :

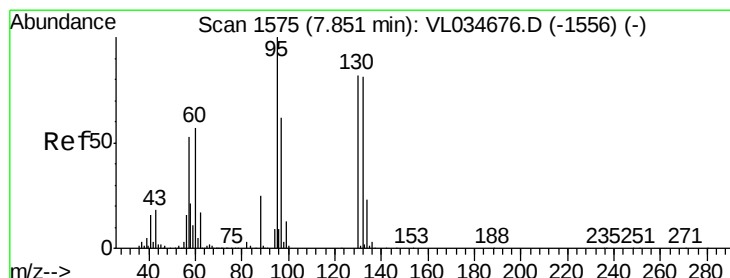
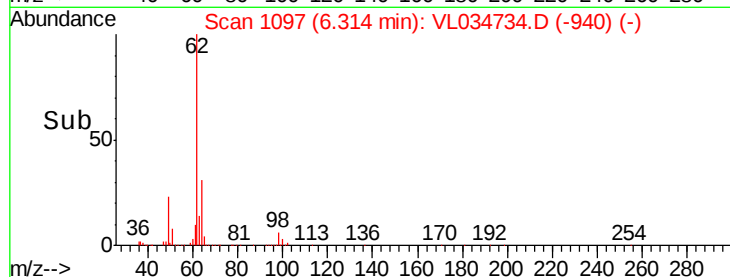
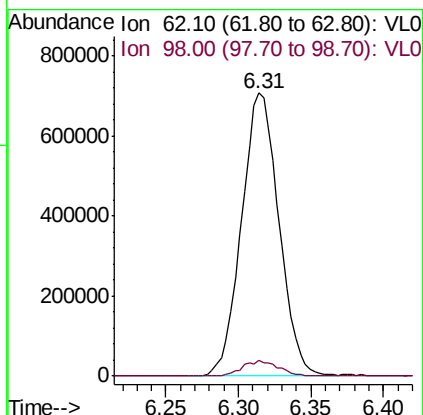
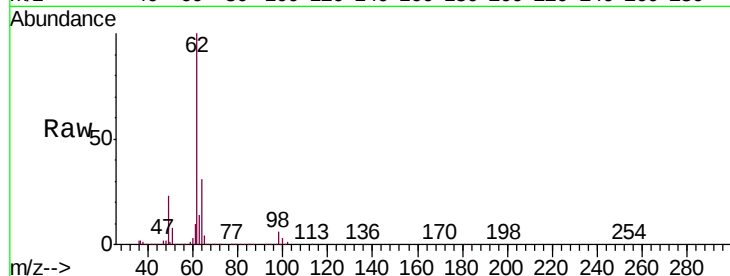
VL0228ABS01

Tgt Ion: 62 Resp: 1270194

Ion Ratio Lower Upper

62 100

98 5.4 4.7 7.1



#38

Trichloroethene

Concen: 10.301 ppbv

RT: 7.86 min Scan# 1577

Delta R.T. 0.01 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Tgt Ion: 130 Resp: 705673

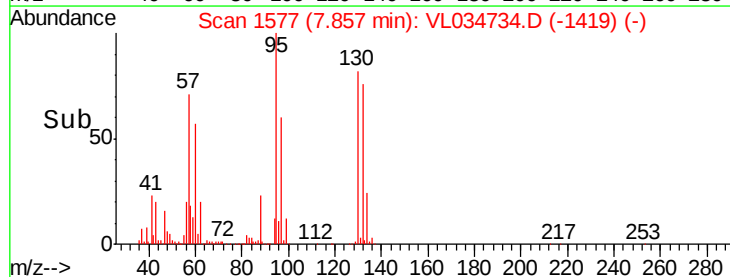
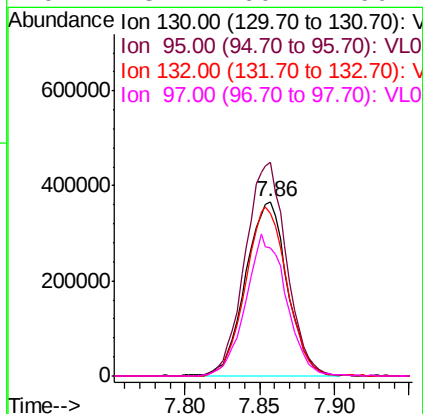
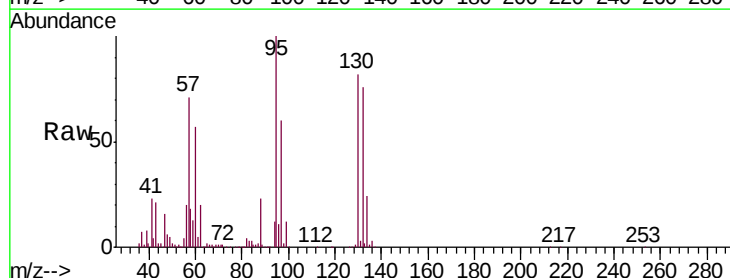
Ion Ratio Lower Upper

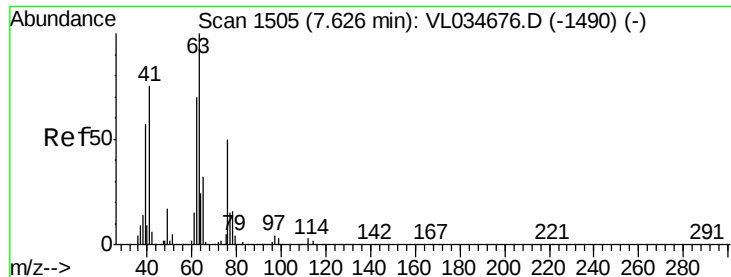
130 100

95 123.0 97.1 145.7

132 93.5 78.3 117.5

97 73.7 60.1 90.1





#39

1,2-Dichloropropane

Concen: 10.675 ppbv

RT: 7.63 min Scan# 1507

Delta R.T. 0.01 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Instrument :

MSVOA_L

ClientSampleId :

VL0228ABS01

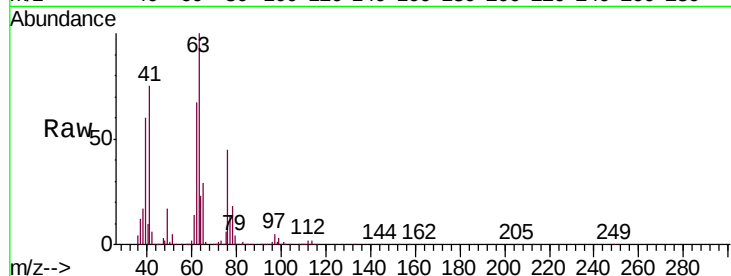
Tgt Ion: 63 Resp: 754807

Ion Ratio Lower Upper

63 100

41 75.4 60.2 90.4

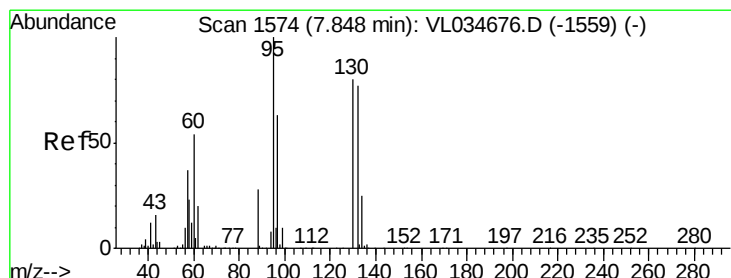
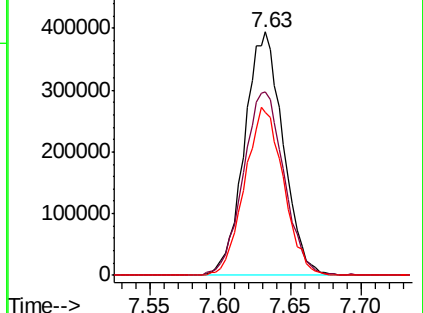
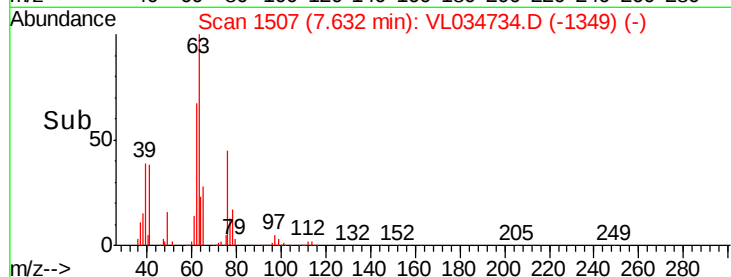
62 67.2 56.3 84.5



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.309 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Tgt Ion: 88 Resp: 247868

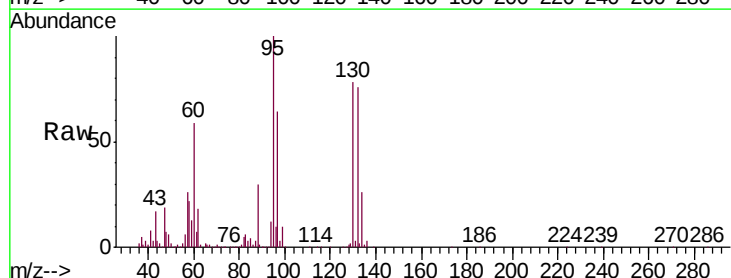
Ion Ratio Lower Upper

88 100

58 142.7 104.6 156.8

43 305.7 212.9 319.3

57 1328.8 935.2 1402.8

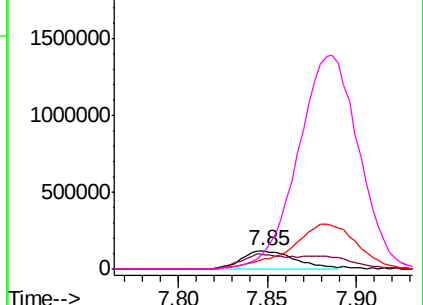
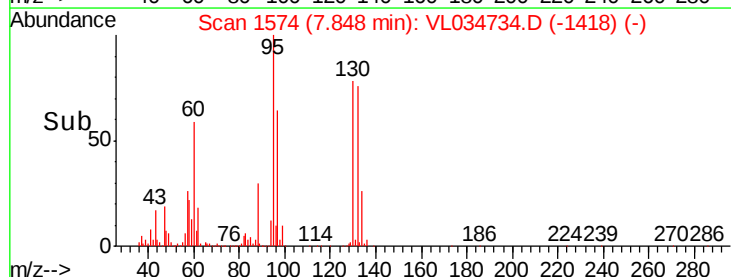


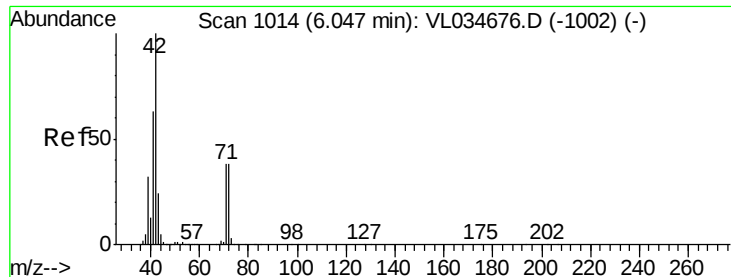
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 11.495 ppbv

RT: 6.05 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Instrument :

MSVOA_L

ClientSampleId :

VL0228ABS01

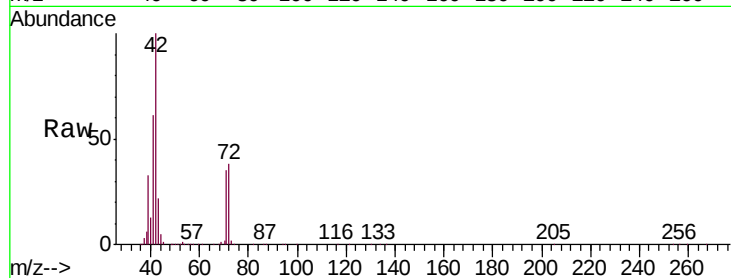
Tgt Ion: 42 Resp: 785830

Ion Ratio Lower Upper

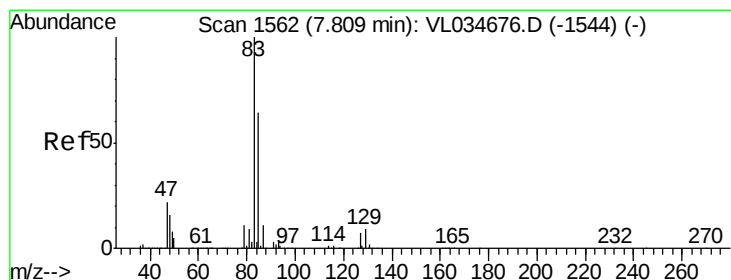
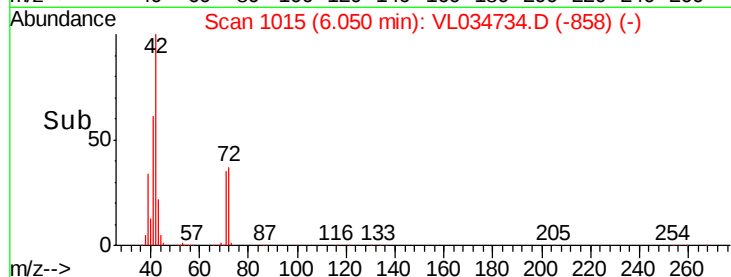
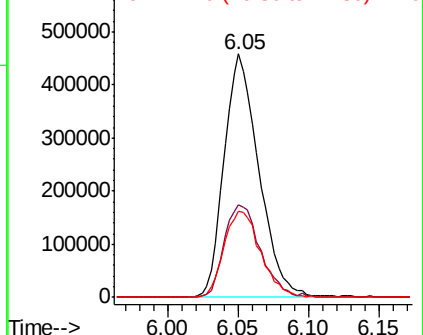
42 100

72 40.1 31.7 47.5

71 37.7 30.7 46.1



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 11.171 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

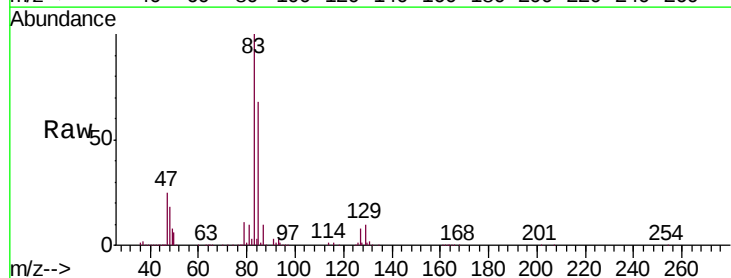
Tgt Ion: 83 Resp: 1638386

Ion Ratio Lower Upper

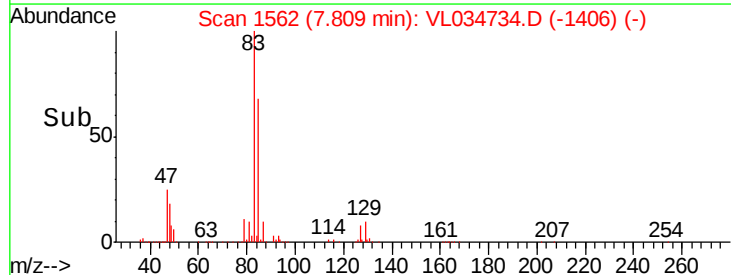
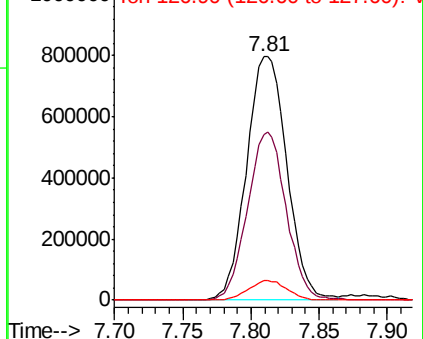
83 100

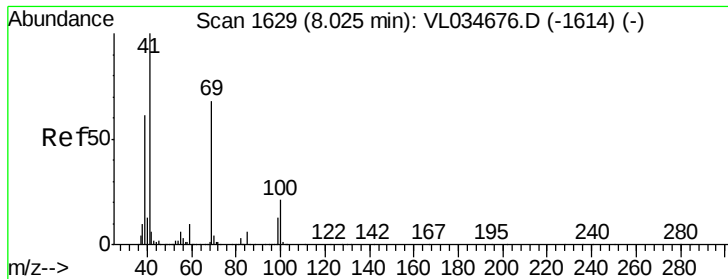
85 67.9 51.1 76.7

127 7.9 5.8 8.8



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V

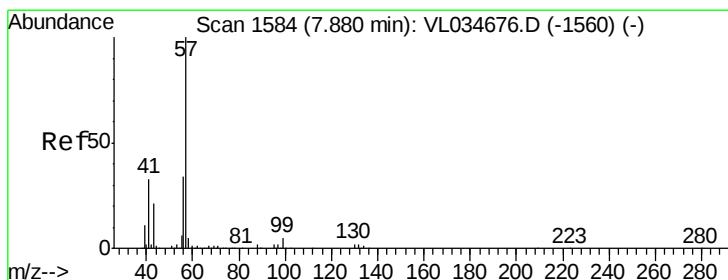
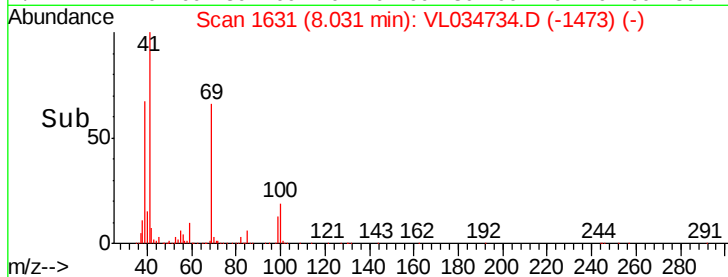
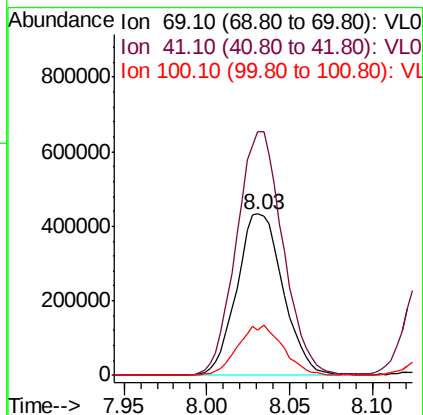
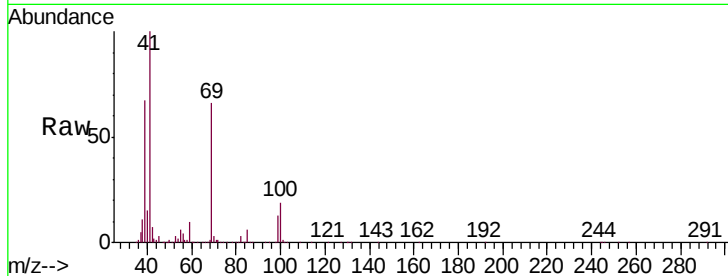




#43
Methyl Methacrylate
Concen: 11.167 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

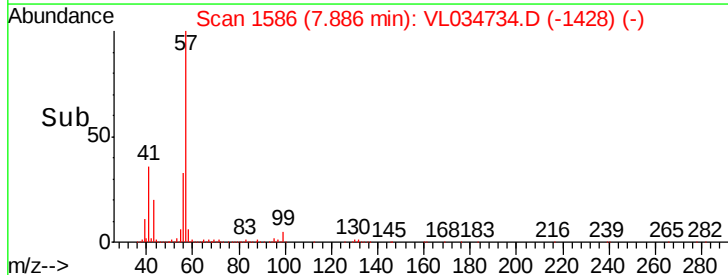
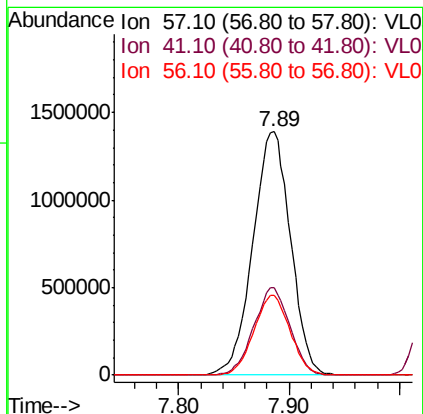
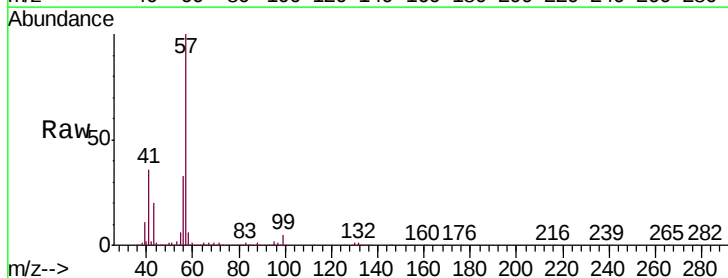
Instrument :
MSVOA_L
ClientSampleId :
VL0228ABS01

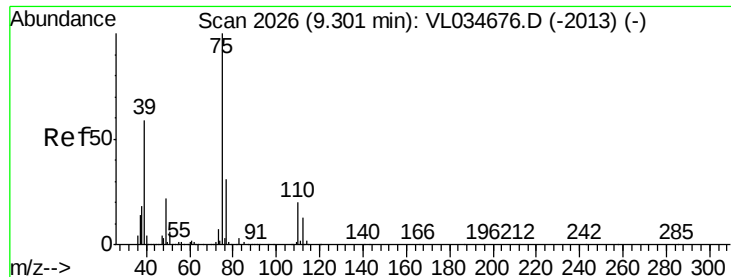
Tgt Ion: 69 Resp: 834727
Ion Ratio Lower Upper
69 100
41 152.5 118.2 177.2
100 30.7 24.2 36.2



#44
2,2,4-Trimethylpentane
Concen: 10.589 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.01 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

Tgt Ion: 57 Resp: 3288886
Ion Ratio Lower Upper
57 100
41 34.6 26.0 39.0
56 31.5 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 13.009 ppbv

RT: 9.30 min Scan# 2027

Delta R.T. 0.00 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Instrument :

MSVOA_L

ClientSampleId :

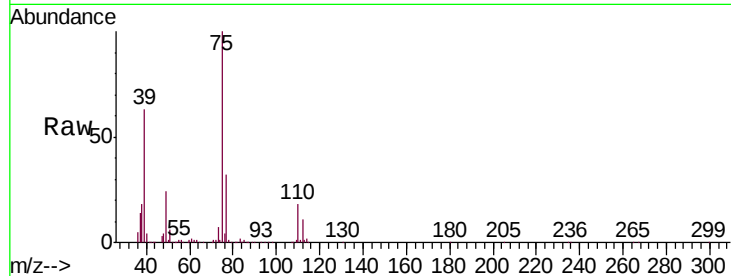
VL0228ABS01

Tgt Ion: 75 Resp: 1061205

Ion Ratio Lower Upper

75 100

77 32.0 25.3 37.9



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.30

500000

400000

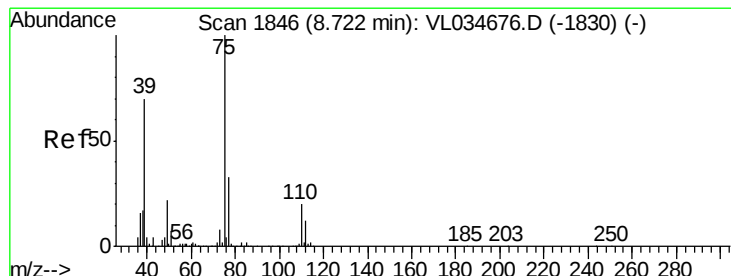
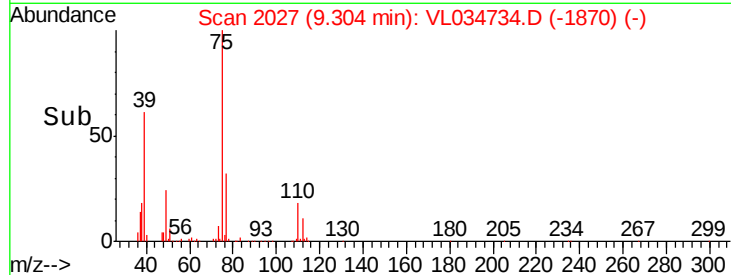
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 12.389 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

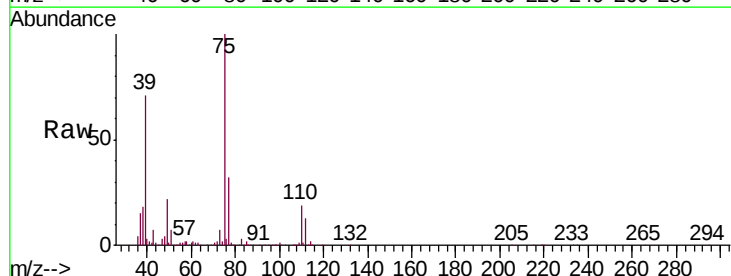
Tgt Ion: 75 Resp: 1211970

Ion Ratio Lower Upper

75 100

39 70.5 55.7 83.5

77 31.6 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

800000

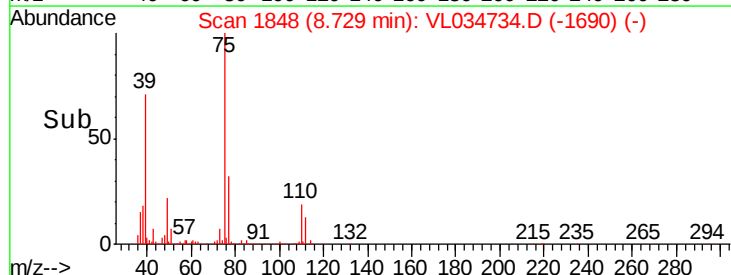
600000

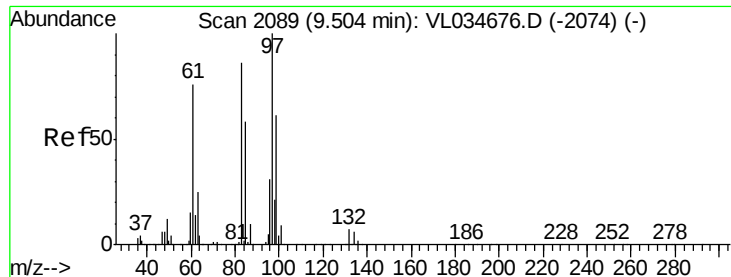
400000

200000

0

Time-->





#47

1,1,2-Trichloroethane

Concen: 10.791 ppbv

RT: 9.50 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Instrument :

MSVOA_L

ClientSampleId :

VL0228ABS01

Tgt Ion: 97 Resp: 782754

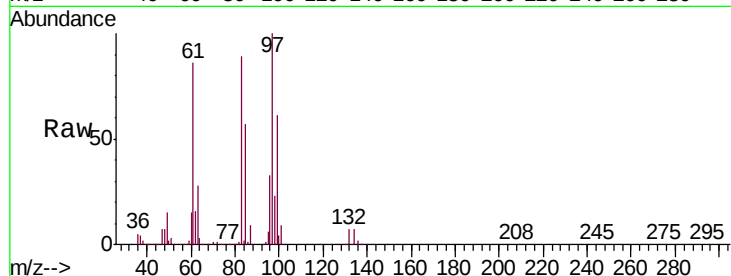
Ion Ratio Lower Upper

97 100

83 88.8 69.4 104.0

85 57.3 46.4 69.6

99 61.2 48.4 72.6

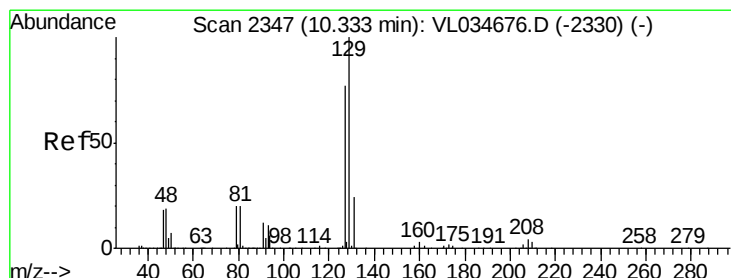
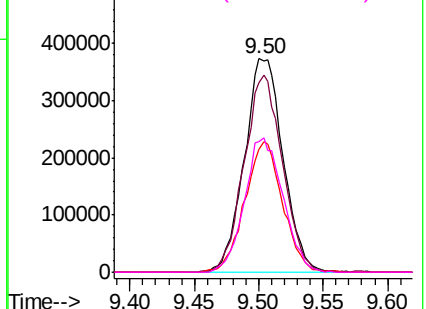
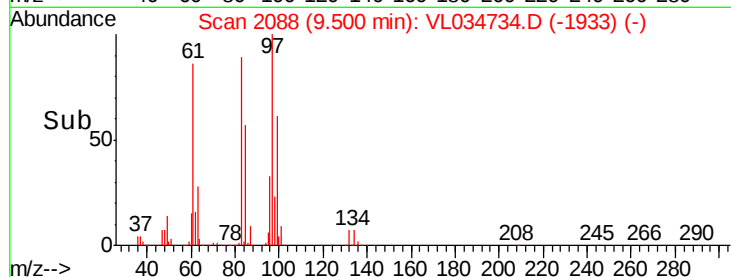


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 11.754 ppbv

RT: 10.34 min Scan# 2348

Delta R.T. 0.00 min

Lab File: VL034734.D

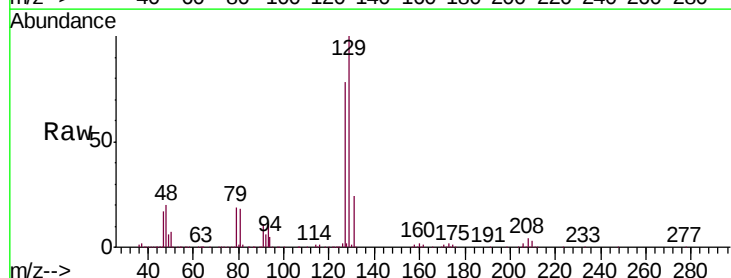
Acq: 28 Feb 2020 11:26

Tgt Ion: 129 Resp: 1325815

Ion Ratio Lower Upper

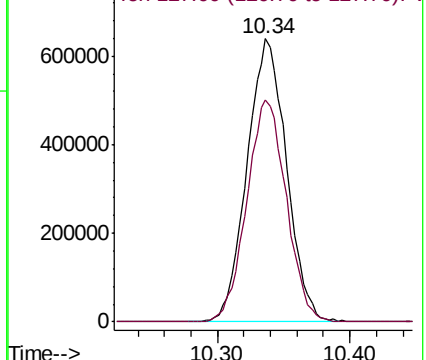
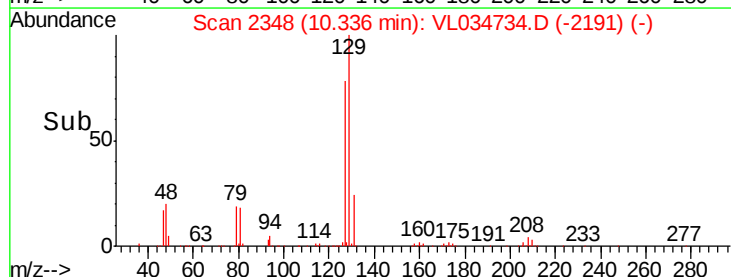
129 100

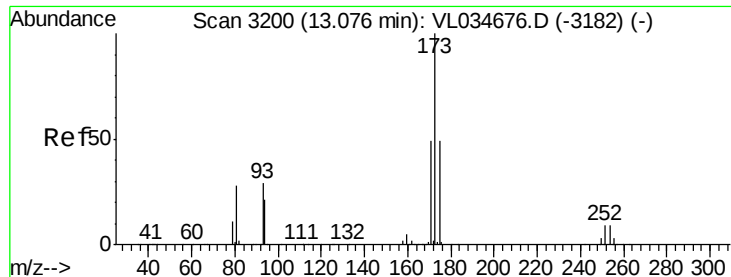
127 78.7 39.3 117.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 12.043 ppbv

RT: 13.08 min Scan# 3202

Delta R.T. 0.01 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Instrument :

MSVOA_L

ClientSampleId :

VL0228ABS01

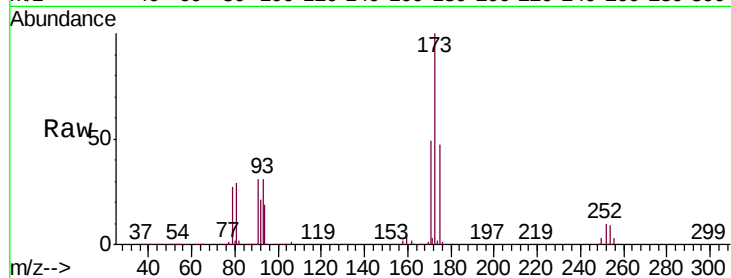
Tgt Ion:173 Resp: 1177736

Ion Ratio Lower Upper

173 100

175 48.7 38.6 58.0

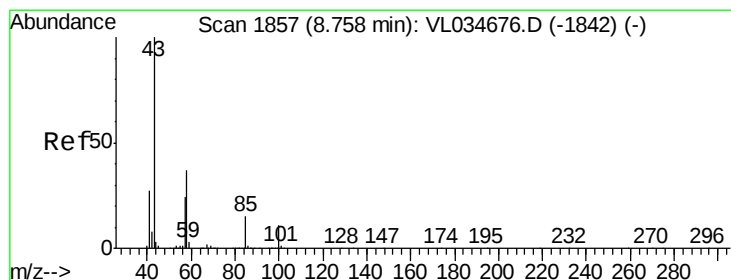
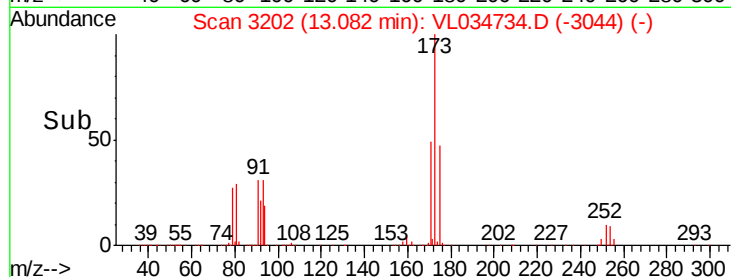
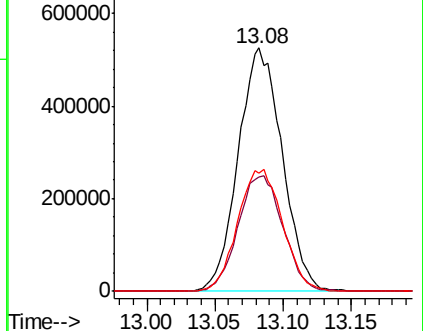
171 51.4 41.5 62.3



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: 11.692 ppbv

RT: 8.76 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VL034734.D

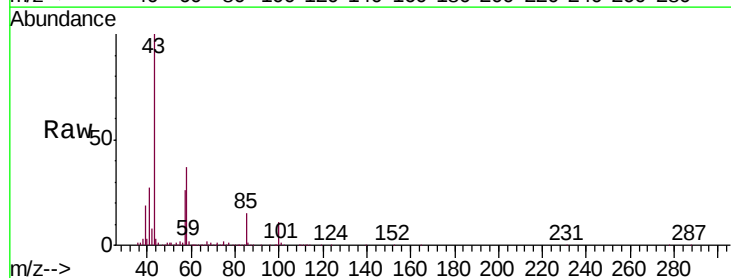
Acq: 28 Feb 2020 11:26

Tgt Ion: 43 Resp: 2144759

Ion Ratio Lower Upper

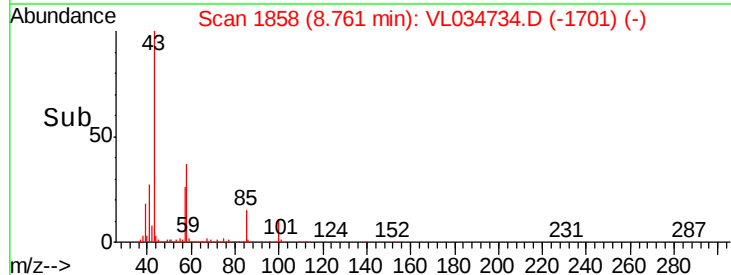
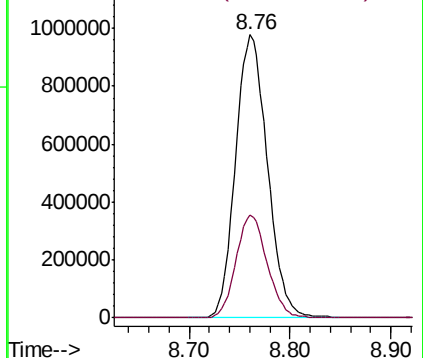
43 100

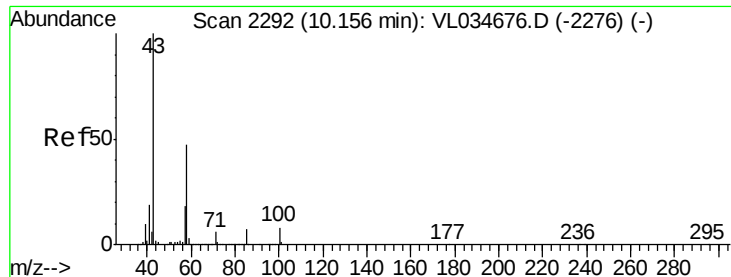
58 35.6 29.0 43.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

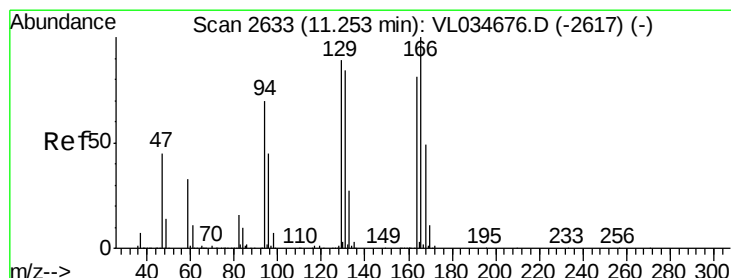
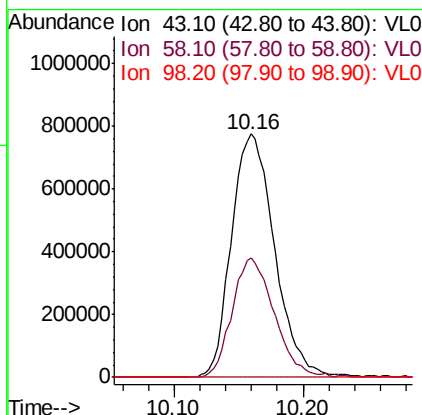
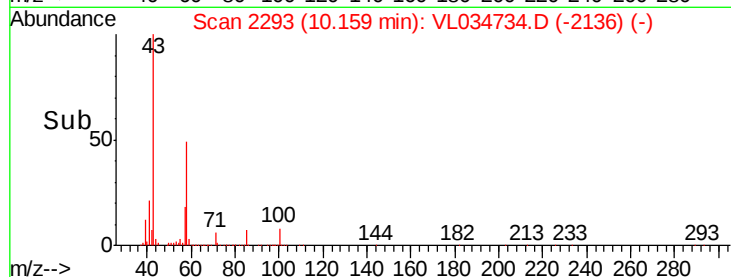
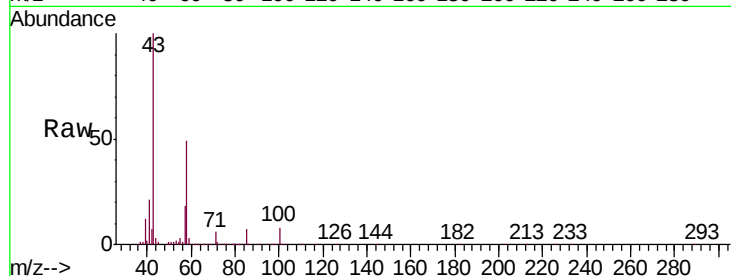




#51
2-Hexanone
Concen: 12.474 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

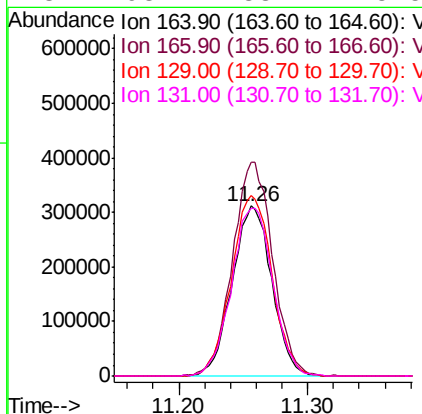
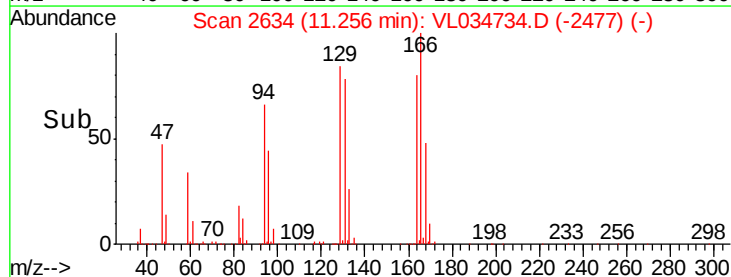
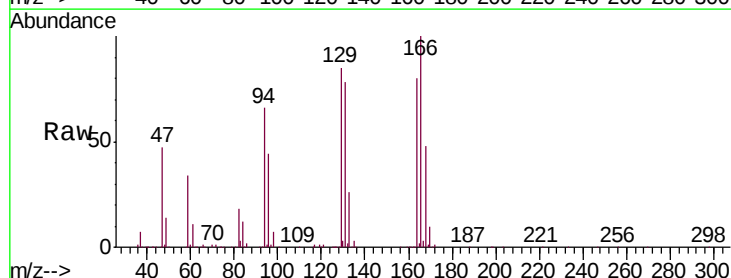
Instrument :
MSVOA_L
ClientSampleId :
VL0228ABS01

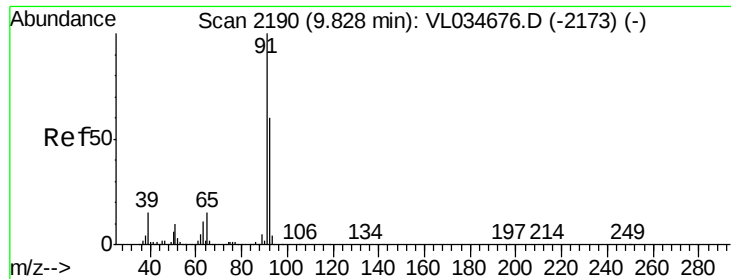
Tgt Ion: 43 Resp: 1800765
Ion Ratio Lower Upper
43 100
58 48.2 39.4 59.0
98 0.3 0.2 0.2#



#52
Tetrachloroethene
Concen: 10.192 ppbv
RT: 11.26 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

Tgt Ion: 164 Resp: 663970
Ion Ratio Lower Upper
164 100
166 125.3 99.2 148.8
129 106.0 88.0 132.0
131 98.4 83.7 125.5





#53

Toluene

Concen: 11.340 ppbv

RT: 9.83 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Instrument :

MSVOA_L

ClientSampleId :

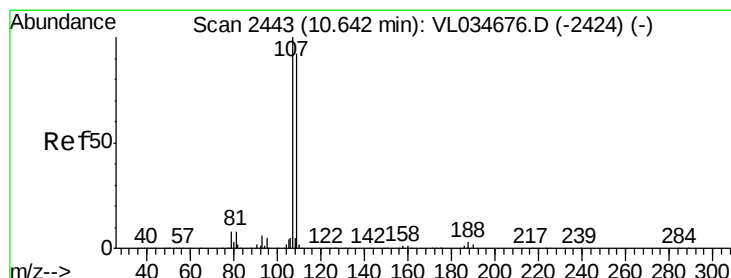
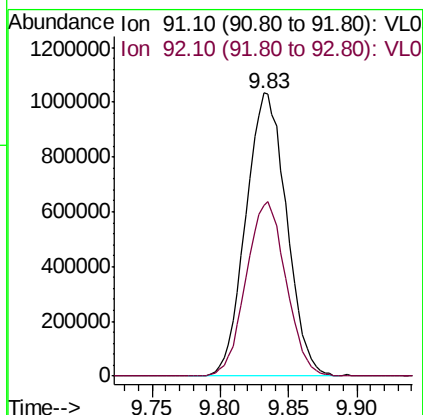
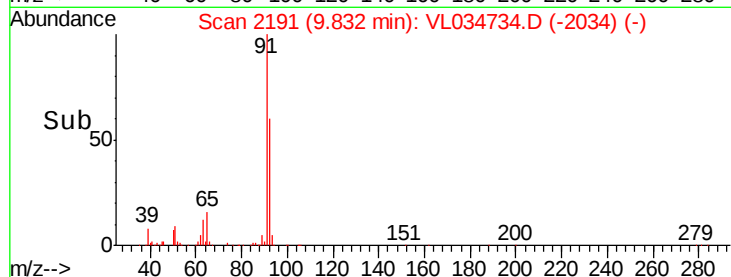
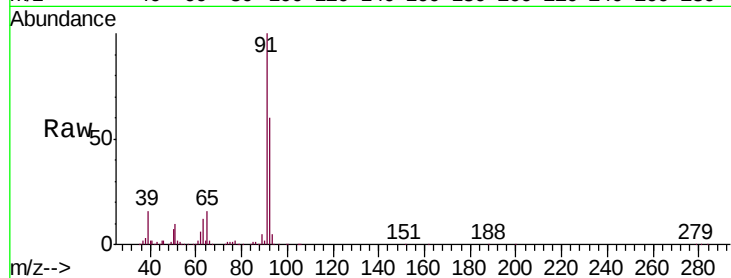
VL0228ABS01

Tgt Ion: 91 Resp: 2143615

Ion Ratio Lower Upper

91 100

92 60.4 48.5 72.7



#54

1,2-Dibromoethane

Concen: 11.222 ppbv

RT: 10.64 min Scan# 2443

Delta R.T. 0.00 min

Lab File: VL034734.D

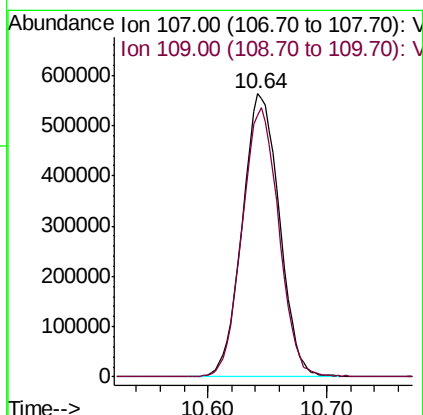
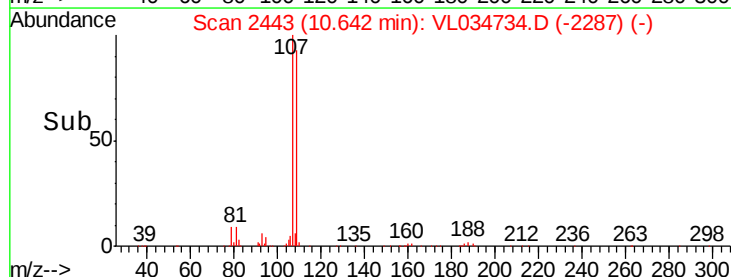
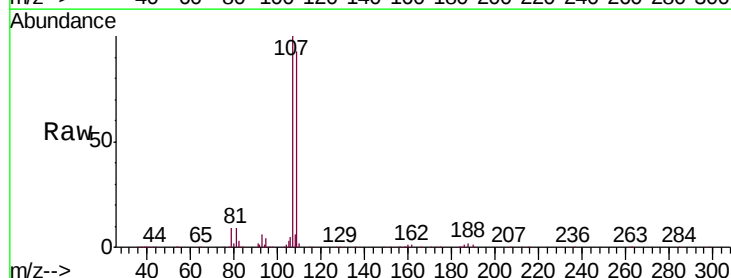
Acq: 28 Feb 2020 11:26

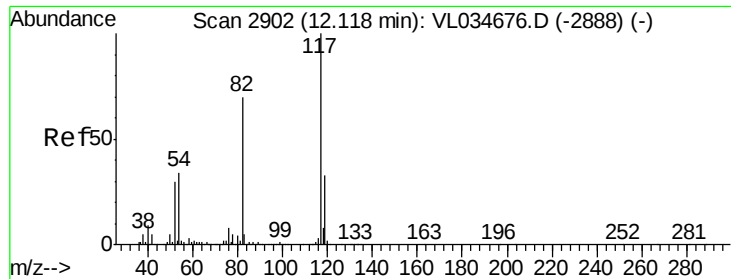
Tgt Ion: 107 Resp: 1214420

Ion Ratio Lower Upper

107 100

109 92.5 73.9 110.9

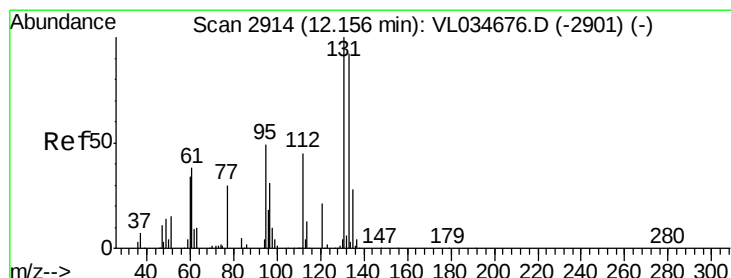
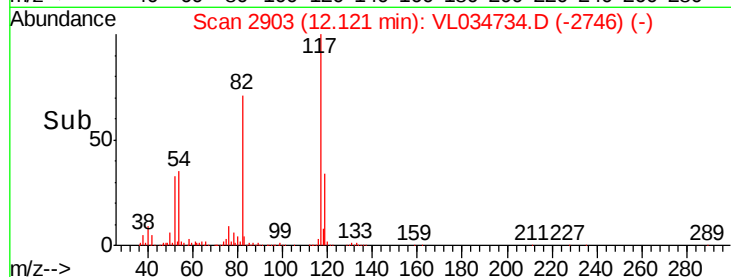
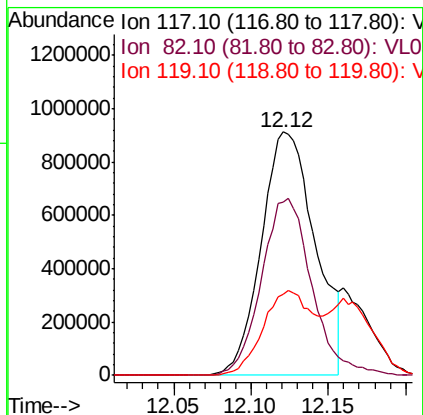
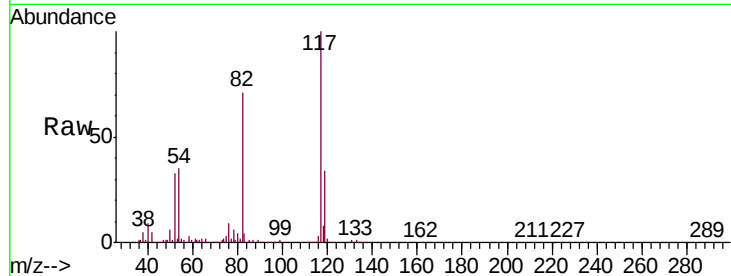




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.00 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

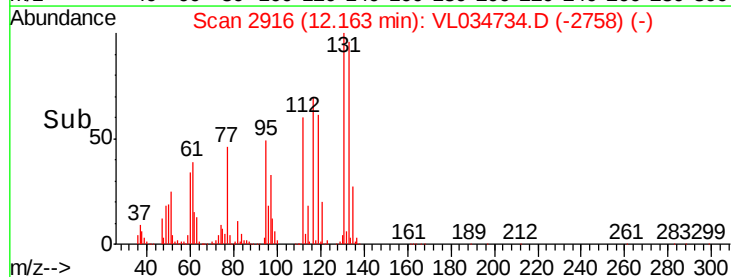
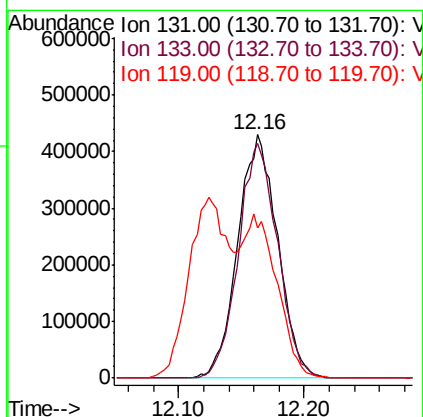
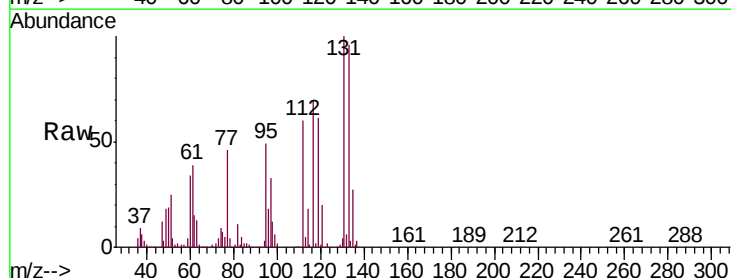
Instrument :
MSVOA_L
ClientSampleId :
VL0228ABS01

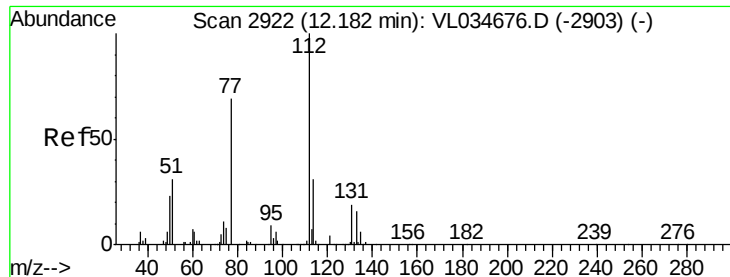
Tgt Ion:117 Resp: 2213764
Ion Ratio Lower Upper
117 100
82 68.3 54.1 81.1
119 31.2 27.6 41.4



#56
1,1,1,2-Tetrachloroethane
Concen: 10.037 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. 0.01 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

Tgt Ion:131 Resp: 946361
Ion Ratio Lower Upper
131 100
133 95.3 76.6 114.8
119 53.5 51.3 76.9

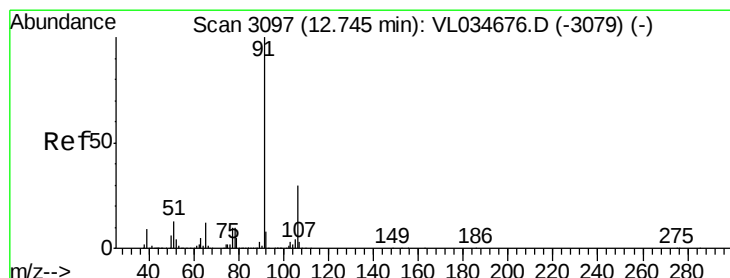
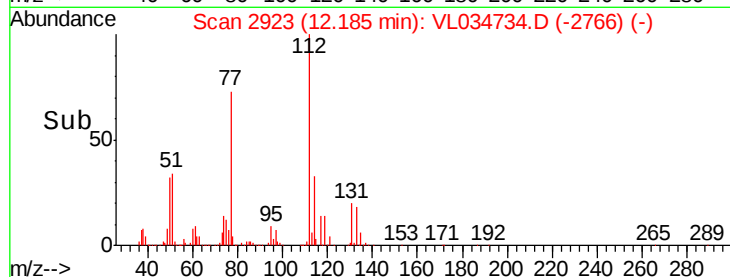
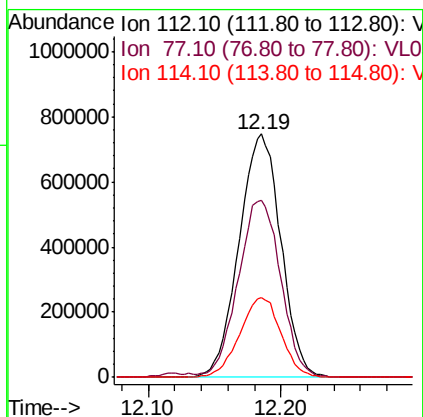
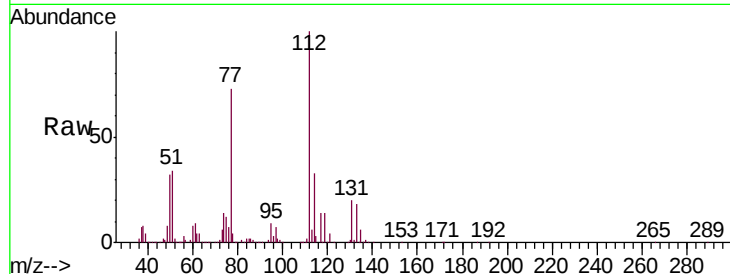




#57
Chlorobenzene
Concen: 9.984 ppbv
RT: 12.19 min Scan# 2923
Delta R.T. 0.00 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

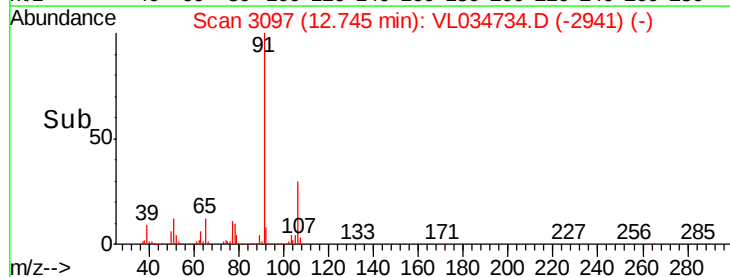
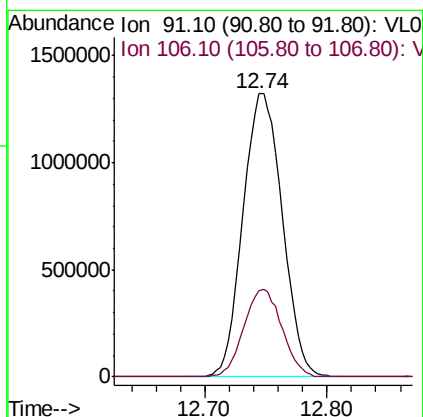
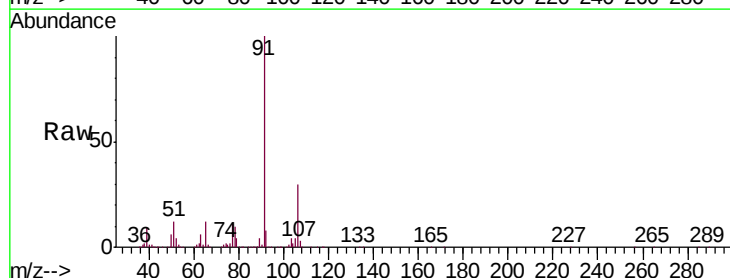
Instrument :
MSVOA_L
ClientSampleId :
VL0228ABS01

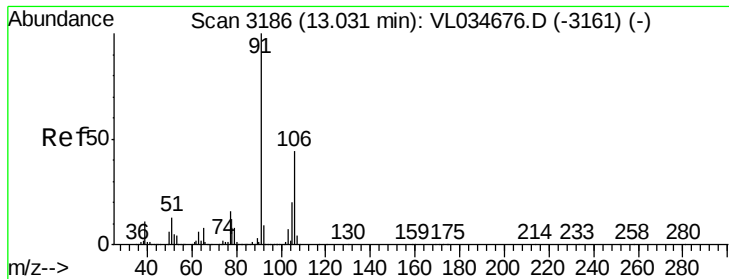
Tgt Ion: 112 Resp: 1633636
Ion Ratio Lower Upper
112 100
77 72.8 56.5 84.7
114 32.9 28.1 34.3



#58
Ethyl Benzene
Concen: 10.983 ppbv
RT: 12.74 min Scan# 3097
Delta R.T. 0.00 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

Tgt Ion: 91 Resp: 2941534
Ion Ratio Lower Upper
91 100
106 30.5 24.0 36.0

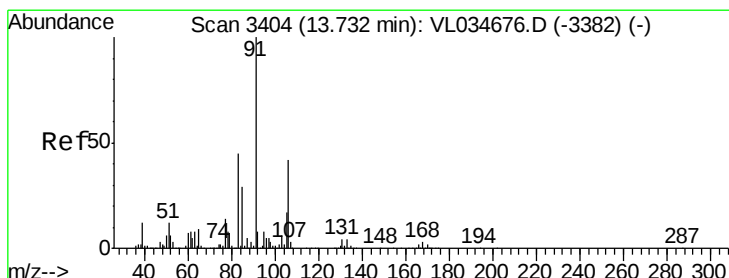
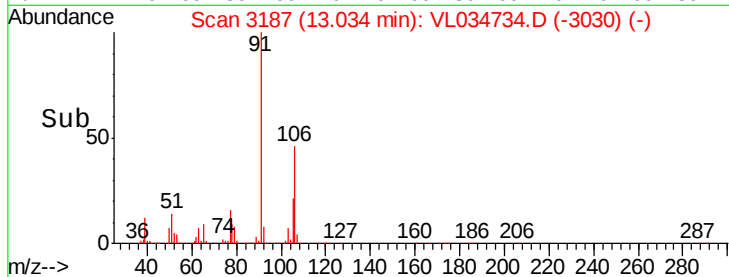
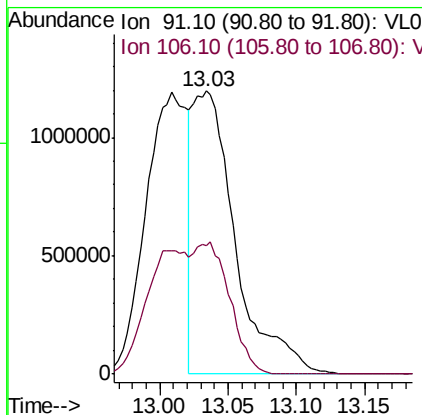
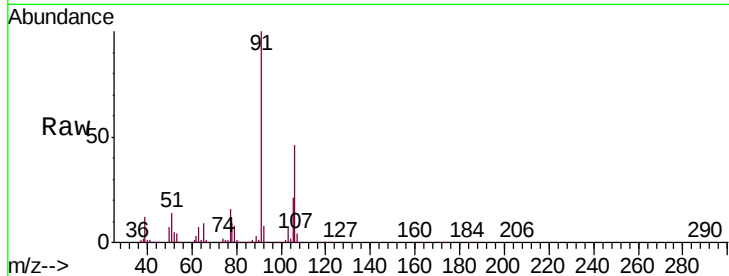




#59
m/p-Xylene
Concen: 11.033 ppbv
RT: 13.03 min Scan# 3187
Delta R.T. 0.00 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

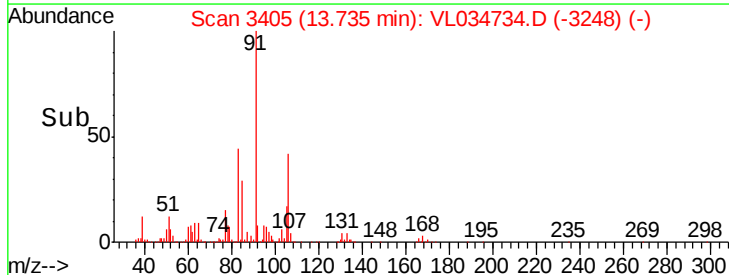
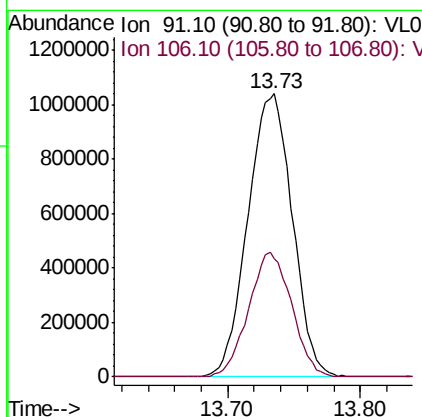
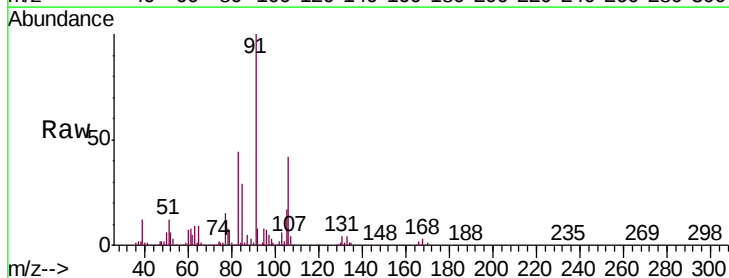
Instrument :
MSVOA_L
ClientSampleId :
VL0228ABS01

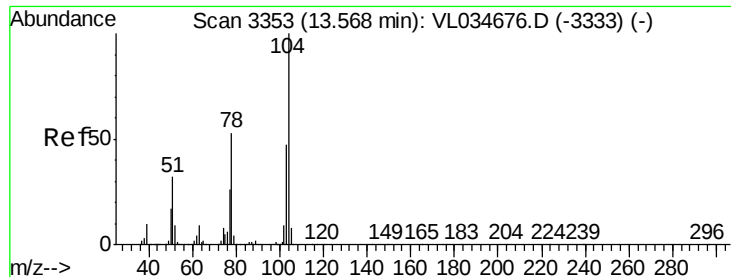
Tgt Ion: 91 Resp: 2577330
Ion Ratio Lower Upper
91 100
106 83.7 35.6 53.4#



#60
o-Xylene
Concen: 10.445 ppbv
RT: 13.73 min Scan# 3405
Delta R.T. 0.00 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

Tgt Ion: 91 Resp: 2421366
Ion Ratio Lower Upper
91 100
106 42.8 21.9 65.5





#61

Styrene

Concen: 11.516 ppbv

RT: 13.57 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Instrument :

MSVOA_L

ClientSampleId :

VL0228ABS01

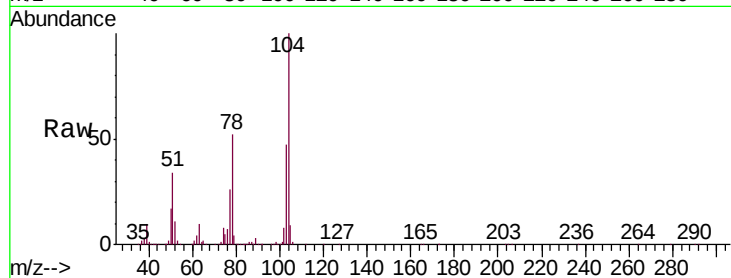
Tgt Ion:104 Resp: 1714824

Ion Ratio Lower Upper

104 100

78 57.0 44.2 66.4

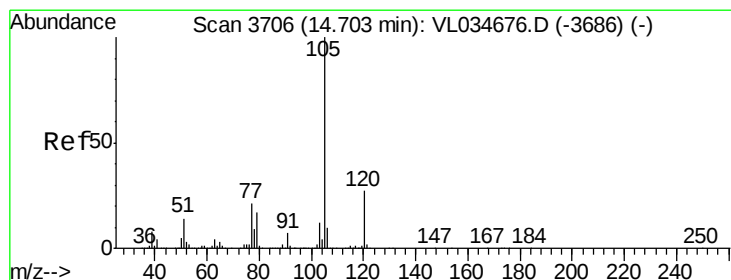
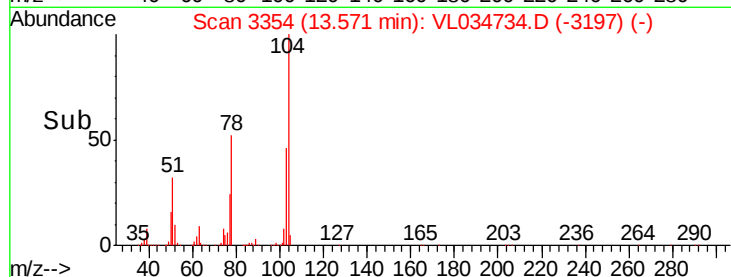
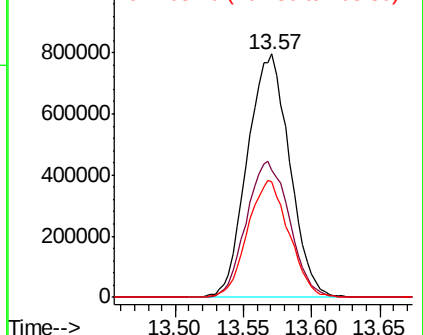
103 47.1 37.4 56.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.995 ppbv

RT: 14.71 min Scan# 3708

Delta R.T. 0.01 min

Lab File: VL034734.D

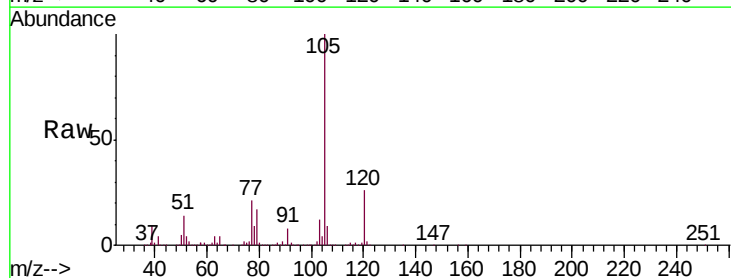
Acq: 28 Feb 2020 11:26

Tgt Ion:105 Resp: 3379845

Ion Ratio Lower Upper

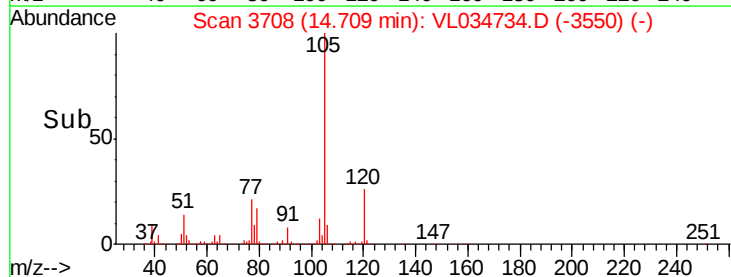
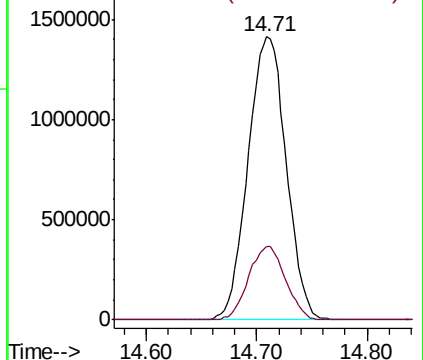
105 100

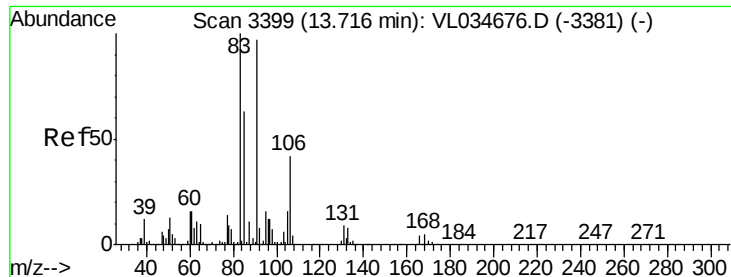
120 25.2 20.2 30.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

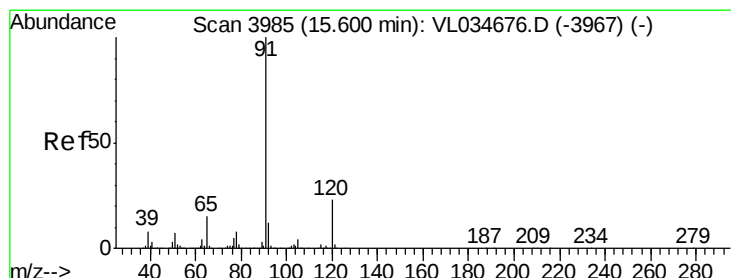
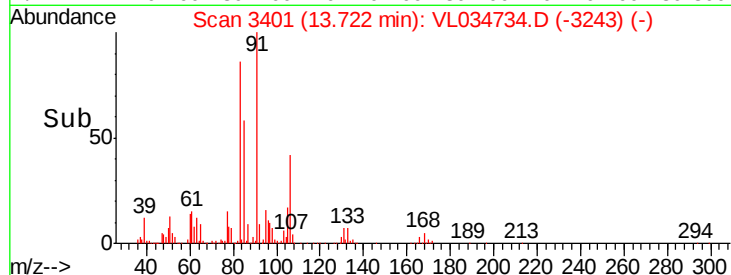
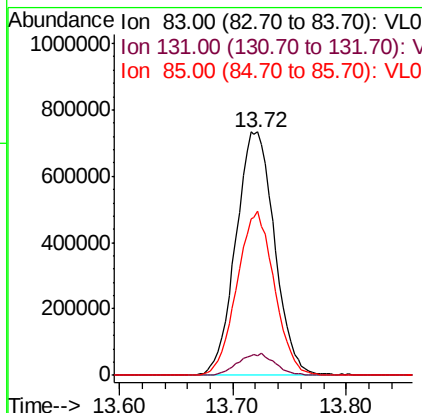
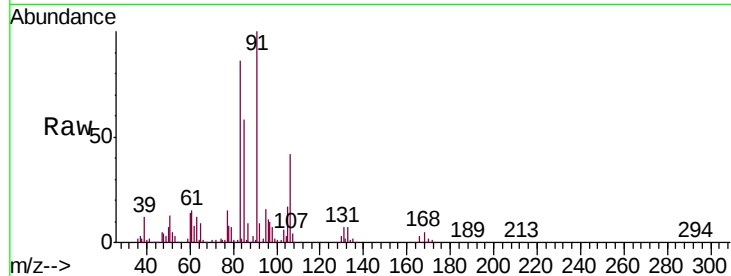




#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.664 ppbv
 RT: 13.72 min Scan# 3401
 Delta R.T. 0.01 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

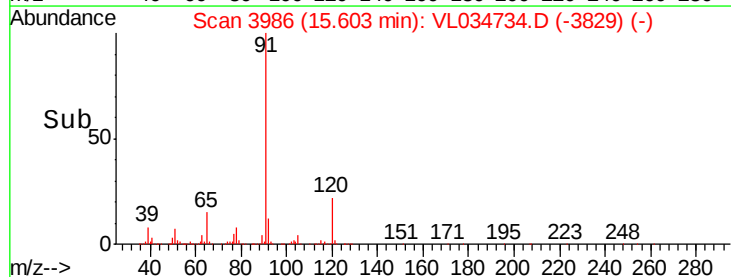
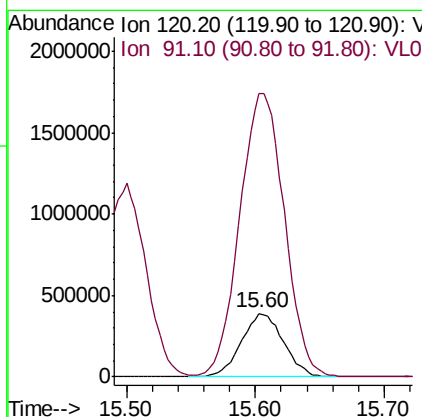
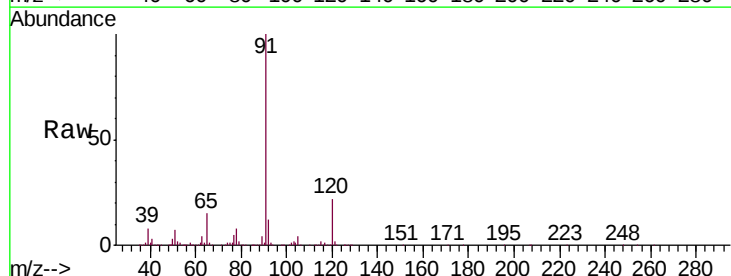
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0228ABS01

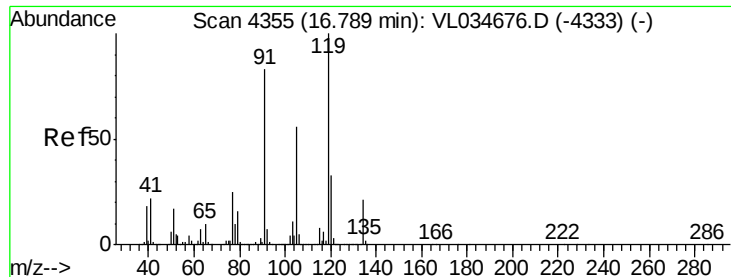
Tgt Ion: 83 Resp: 1746025
 Ion Ratio Lower Upper
 83 100
 131 8.7 4.4 13.2
 85 65.3 32.5 97.5



#64
 n-propylbenzene
 Concen: 10.104 ppbv
 RT: 15.60 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

Tgt Ion: 120 Resp: 880878
 Ion Ratio Lower Upper
 120 100
 91 478.8 369.8 554.8

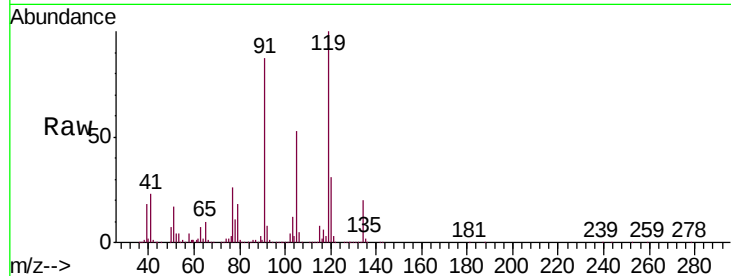




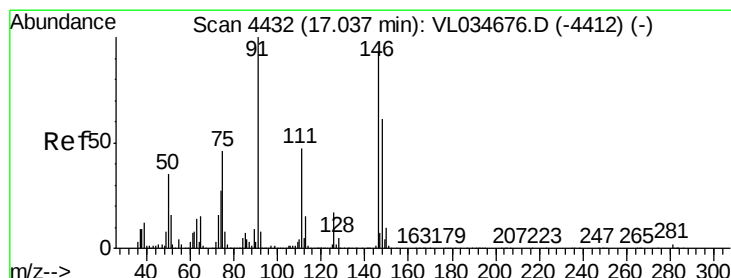
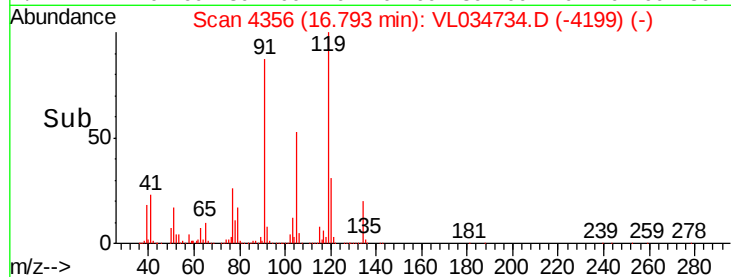
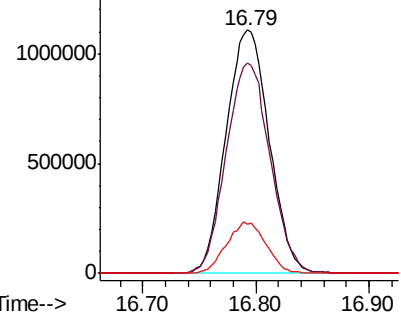
#65
 tert-Butylbenzene
 Concen: 10.067 ppbv
 RT: 16.79 min Scan# 4356
 Delta R.T. 0.00 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0228ABS01

Tgt Ion: 119 Resp: 2939392
 Ion Ratio Lower Upper
 119 100
 91 87.9 69.1 103.7
 134 19.3 15.8 23.8

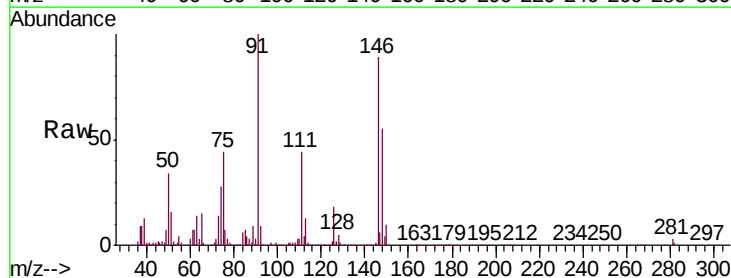


Abundance Ion 119.20 (118.90 to 119.90): V
 1500000 Ion 91.10 (90.80 to 91.80): VL0
 Ion 134.20 (133.90 to 134.90): V

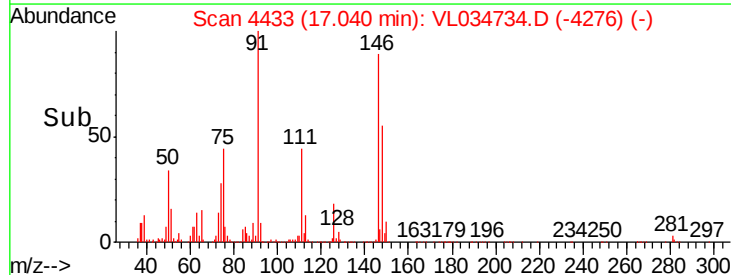
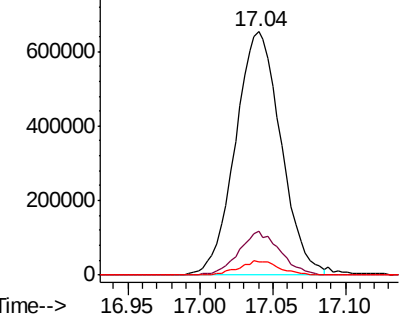


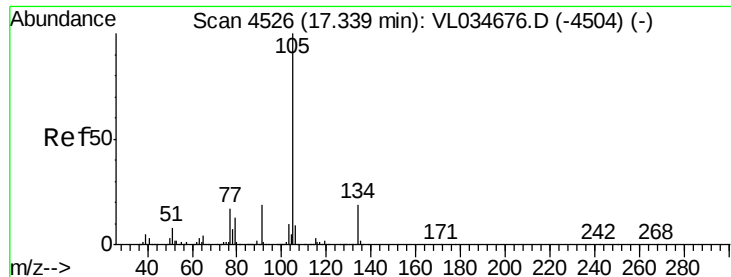
#66
 Benzyl Chloride
 Concen: 13.075 ppbv
 RT: 17.04 min Scan# 4433
 Delta R.T. 0.00 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

Tgt Ion: 91 Resp: 1424136
 Ion Ratio Lower Upper
 91 100
 126 16.5 13.5 20.3
 128 5.3 4.2 6.4



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 126.10 (125.80 to 126.80): V
 Ion 128.10 (127.80 to 128.80): V

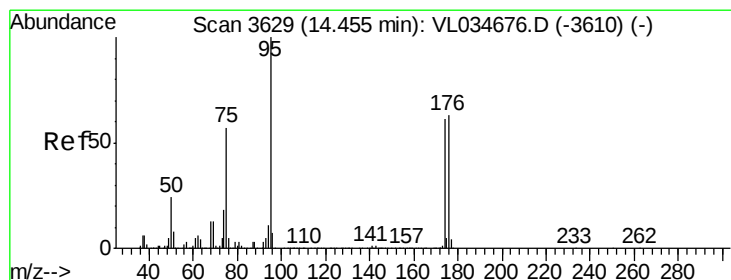
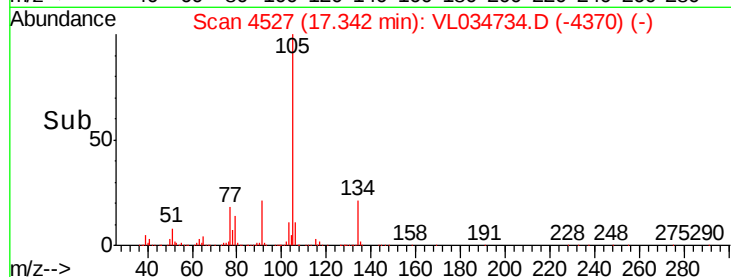
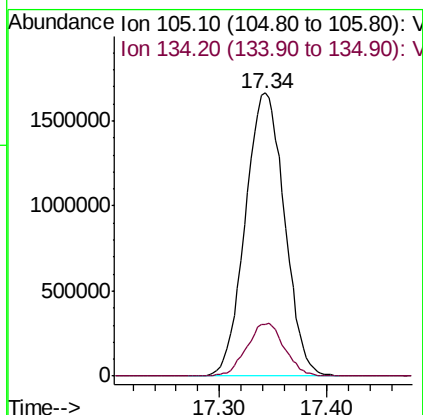
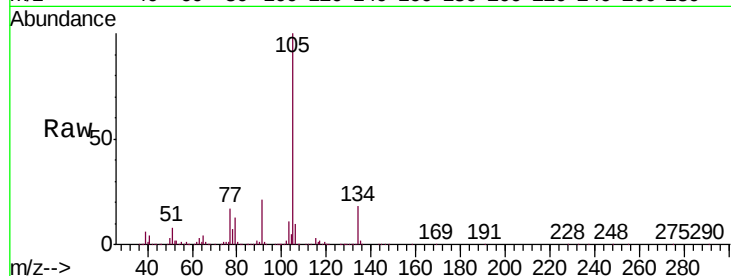




#67
 sec-Butylbenzene
 Concen: 10.005 ppbv
 RT: 17.34 min Scan# 4527
 Delta R.T. 0.00 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

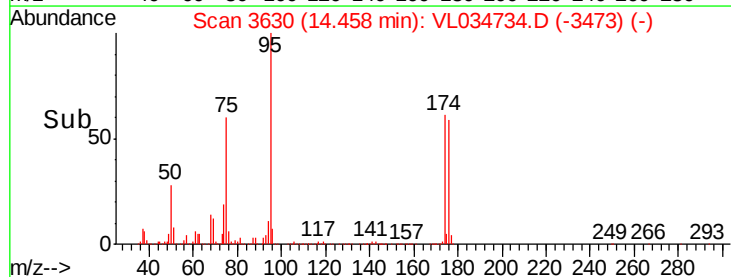
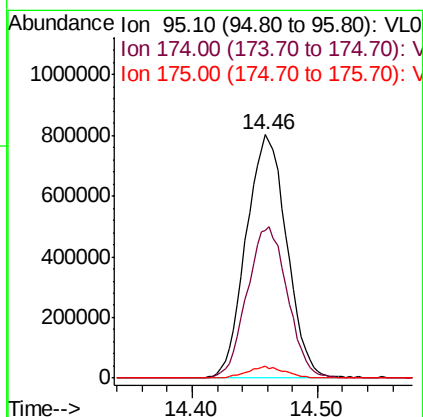
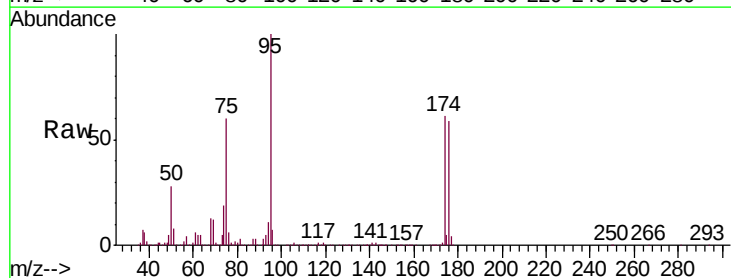
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0228ABS01

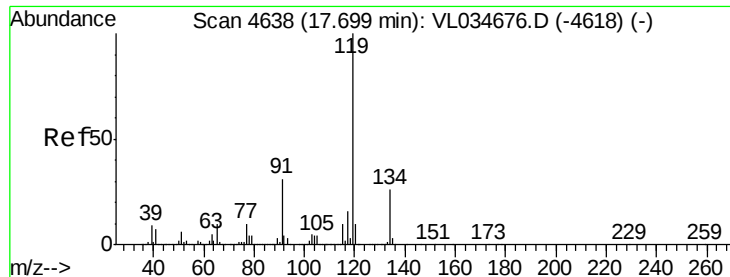
Tgt Ion: 105 Resp: 4203888
 Ion Ratio Lower Upper
 105 100
 134 18.0 14.8 22.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.946 ppbv
 RT: 14.46 min Scan# 3630
 Delta R.T. 0.00 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

Tgt Ion: 95 Resp: 1805392
 Ion Ratio Lower Upper
 95 100
 174 62.2 50.7 76.1
 175 4.5 3.9 5.9

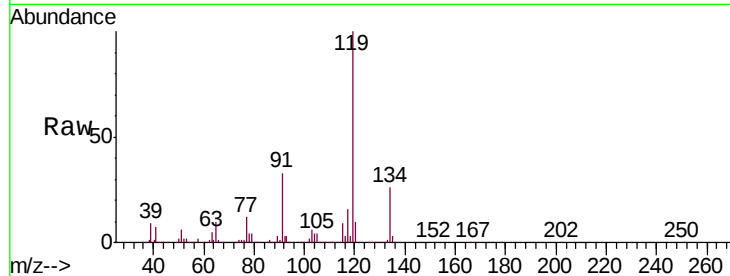




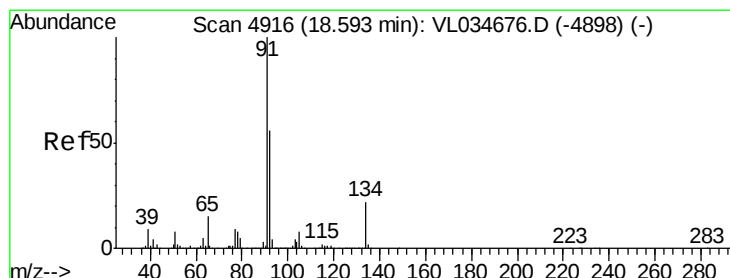
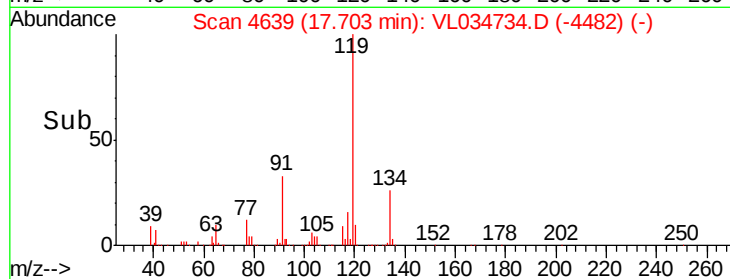
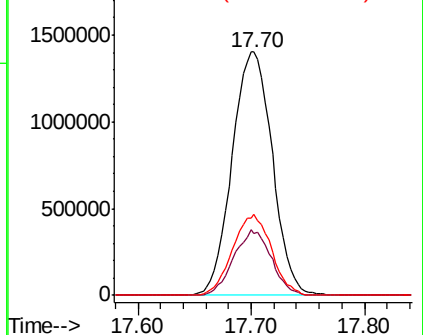
#69
p-Isopropyltoluene
Concen: 9.994 ppbv
RT: 17.70 min Scan# 4639
Delta R.T. 0.00 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

Instrument :
MSVOA_L
ClientSampleId :
VL0228ABS01

Tgt Ion: 119 Resp: 3456861
Ion Ratio Lower Upper
119 100
134 25.4 20.6 31.0
91 32.2 25.3 37.9

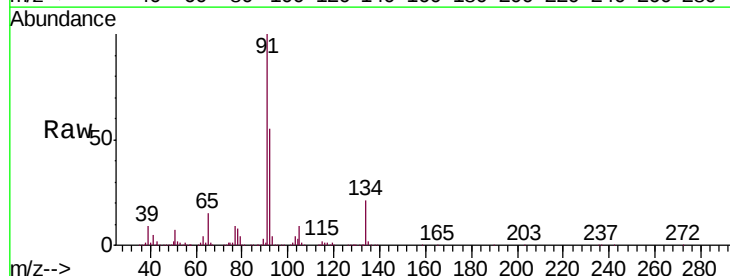


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

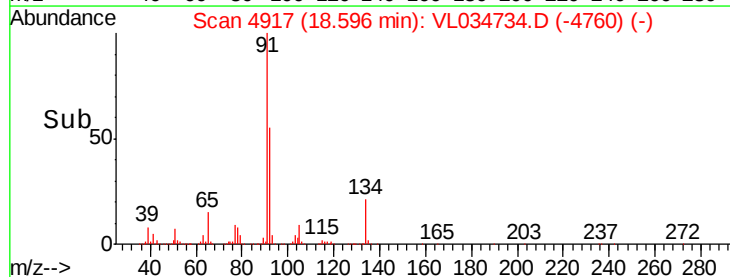
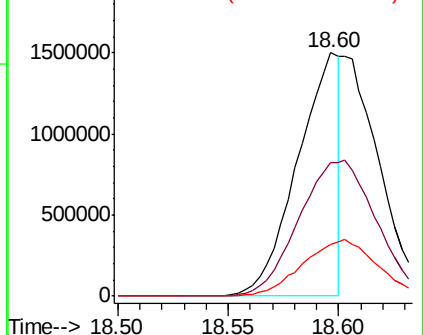


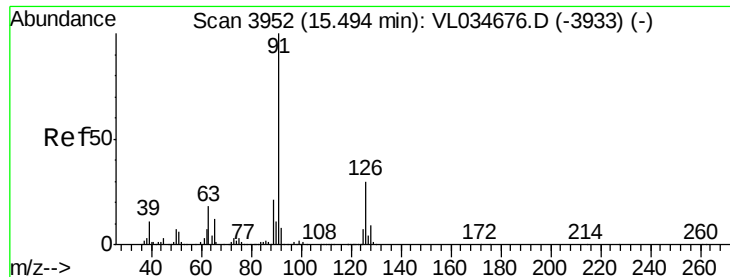
#70
n-Butylbenzene
Concen: 5.248 ppbv
RT: 18.60 min Scan# 4917
Delta R.T. 0.00 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

Tgt Ion: 91 Resp: 1976731
Ion Ratio Lower Upper
91 100
92 102.7 43.8 65.6#
134 41.1 17.6 26.4#



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





#71

2-Chlorotoluene

Concen: 10.285 ppbv

RT: 15.50 min Scan# 3954

Delta R.T. 0.01 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Instrument :

MSVOA_L

ClientSampleId :

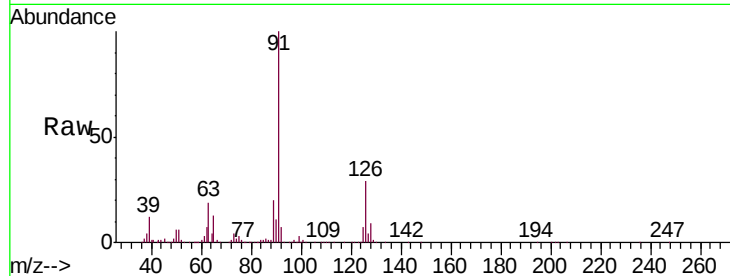
VL0228ABS01

Tgt Ion: 91 Resp: 2693769

Ion Ratio Lower Upper

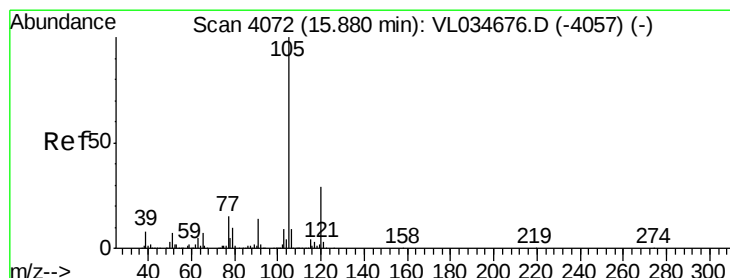
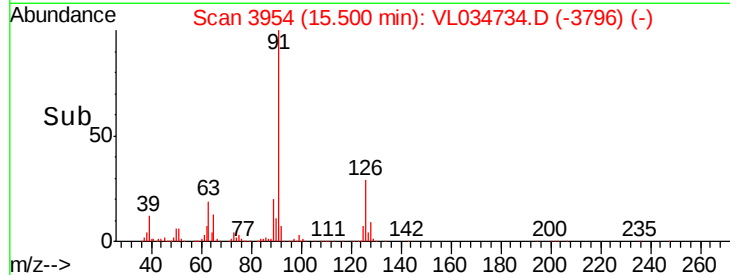
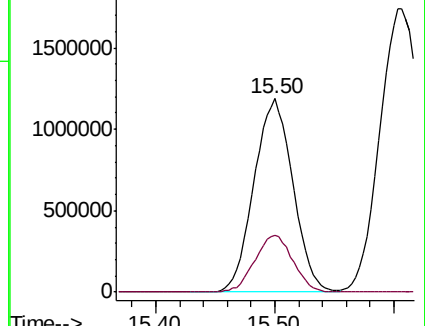
91 100

126 28.9 11.8 47.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.836 ppbv

RT: 15.88 min Scan# 4073

Delta R.T. 0.00 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Tgt Ion: 105 Resp: 2795907

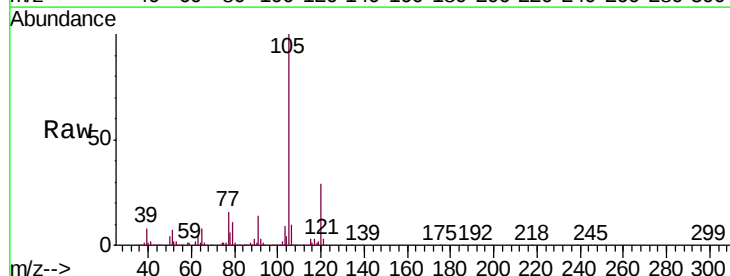
Ion Ratio Lower Upper

105 100

120 30.1 23.7 35.5

91 14.8 10.9 16.3

77 15.3 12.2 18.2

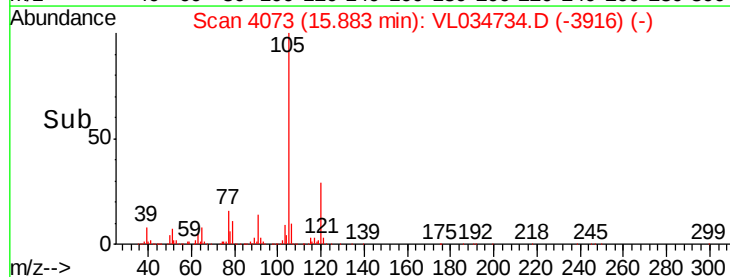
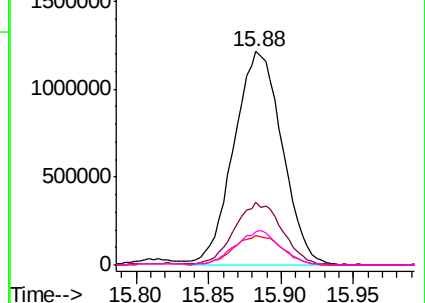


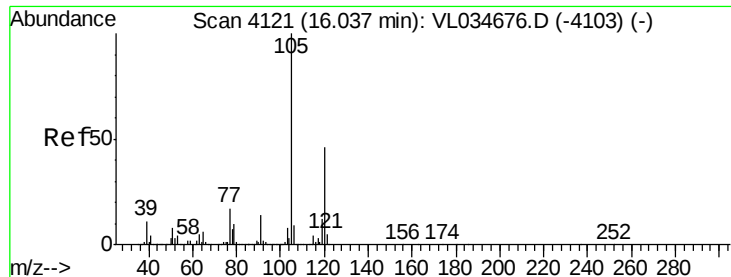
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 10.558 ppbv

RT: 16.04 min Scan# 4122

Delta R.T. 0.00 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Instrument :

MSVOA_L

ClientSampleId :

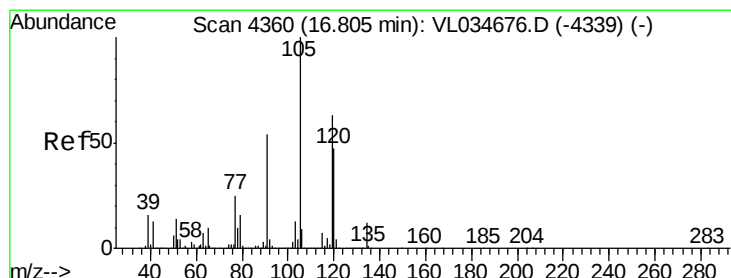
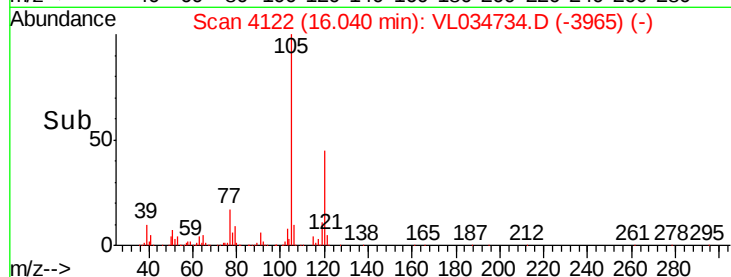
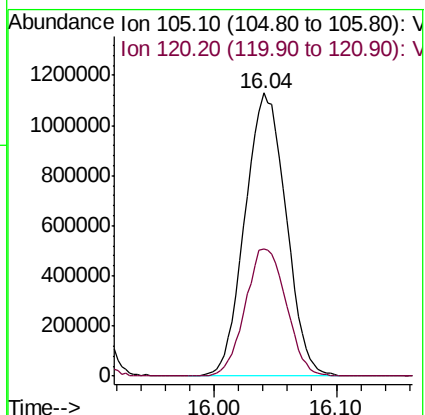
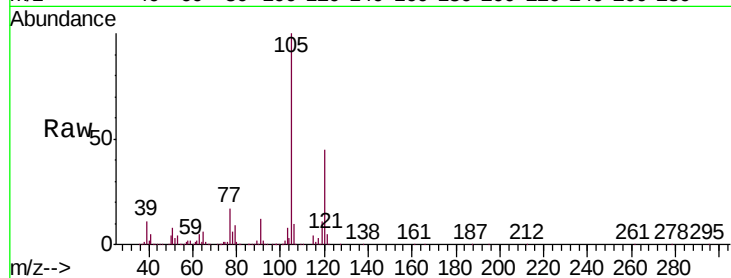
VL0228ABS01

Tgt Ion:105 Resp: 2620493

Ion Ratio Lower Upper

105 100

120 45.0 37.1 55.7



#74

1,2,4-Trimethylbenzene

Concen: 9.985 ppbv

RT: 16.81 min Scan# 4361

Delta R.T. 0.00 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Tgt Ion:105 Resp: 2736994

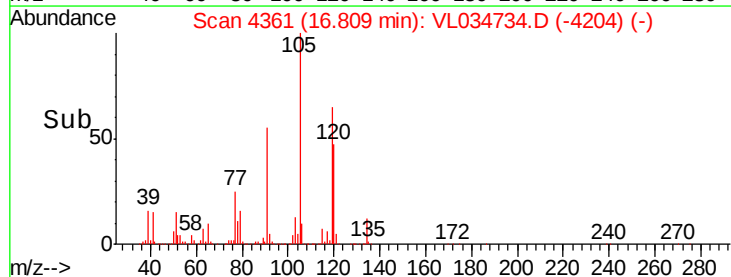
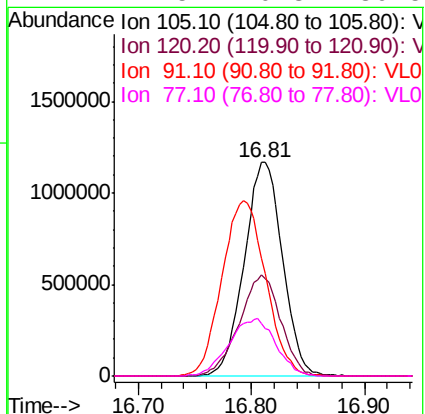
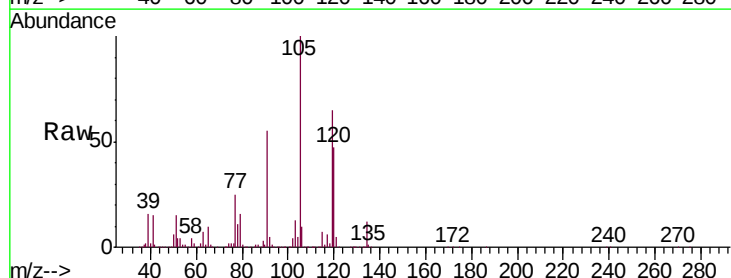
Ion Ratio Lower Upper

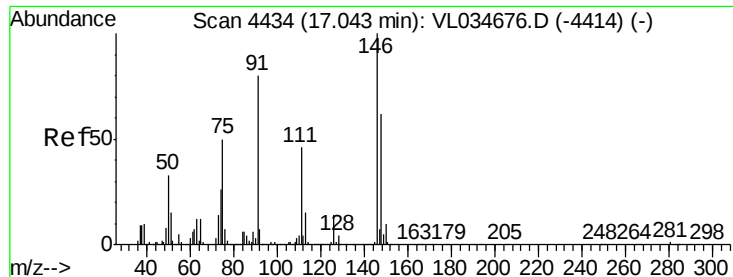
105 100

120 47.2 37.9 56.9

91 55.3 43.9 65.9

77 24.5 20.3 30.5

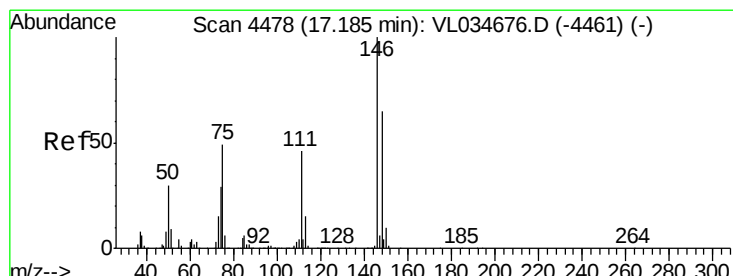
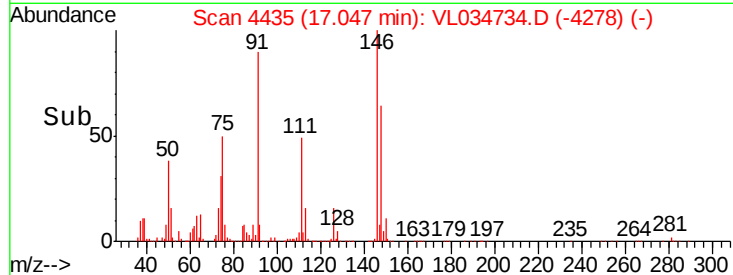
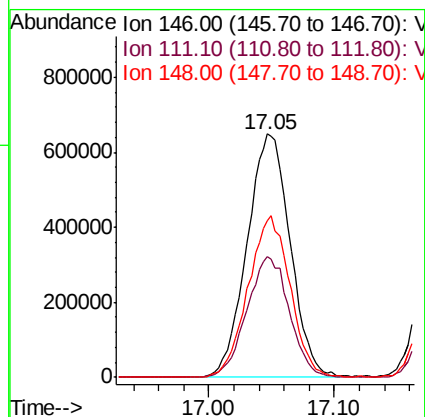
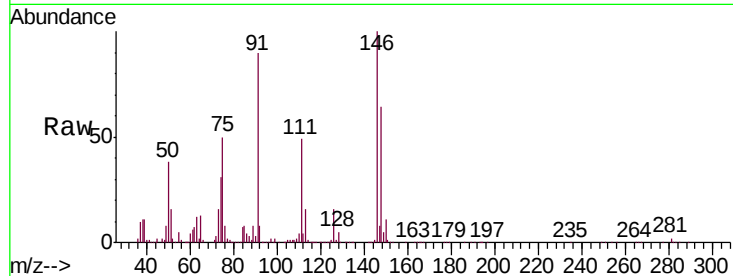




#75
 1,3-Dichlorobenzene
 Concen: 9.782 ppbv
 RT: 17.05 min Scan# 4435
 Delta R.T. 0.00 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

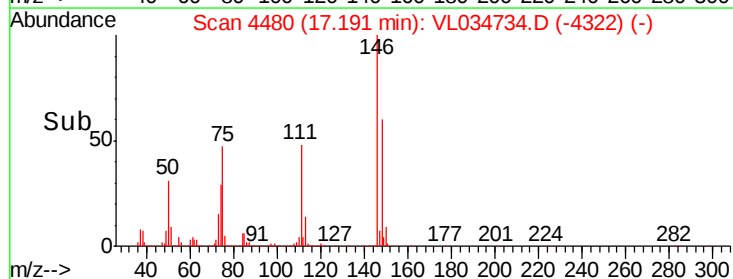
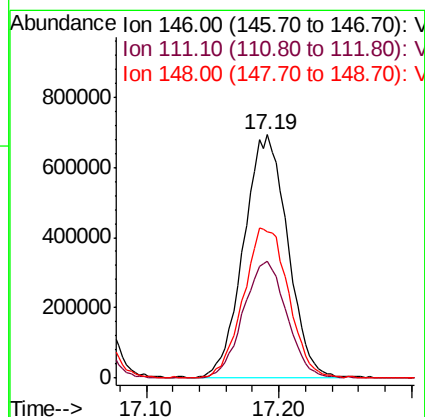
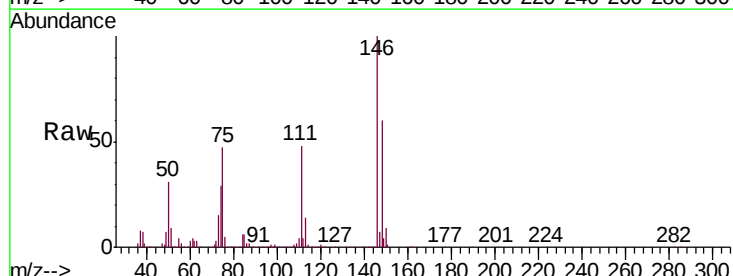
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0228ABS01

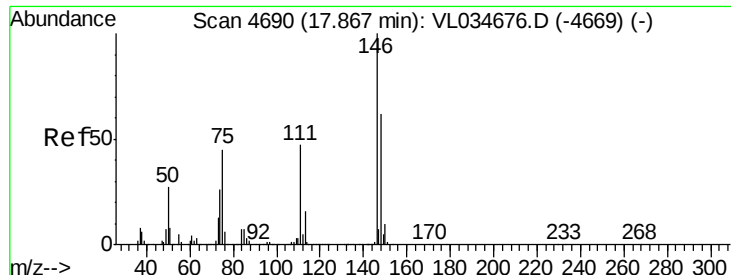
Tgt Ion:146 Resp: 1547768
 Ion Ratio Lower Upper
 146 100
 111 49.0 24.4 73.2
 148 64.8 32.5 97.4



#76
 1,4-Dichlorobenzene
 Concen: 10.015 ppbv
 RT: 17.19 min Scan# 4480
 Delta R.T. 0.01 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

Tgt Ion:146 Resp: 1585391
 Ion Ratio Lower Upper
 146 100
 111 47.7 23.4 70.0
 148 63.9 31.9 95.5

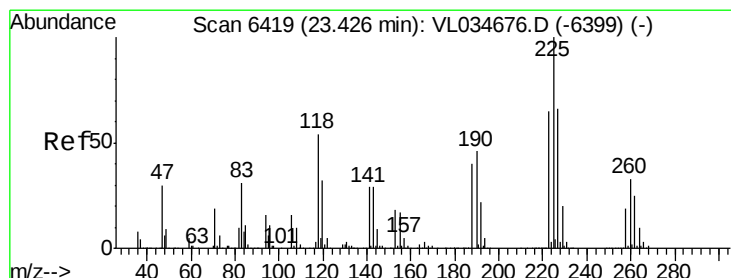
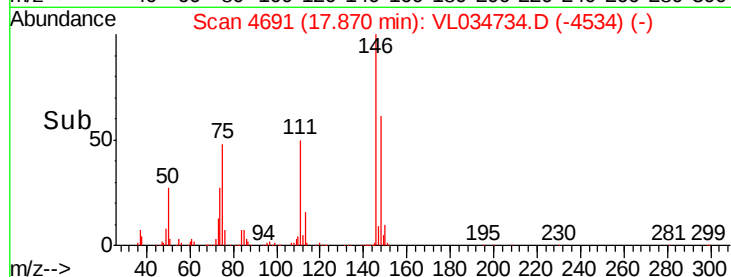
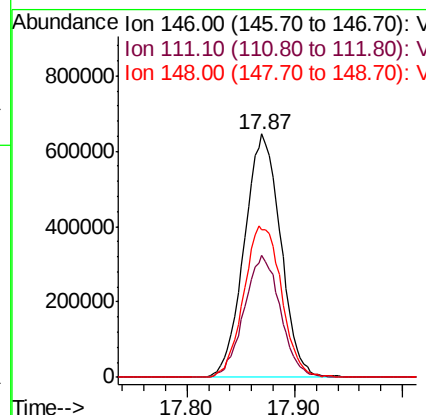
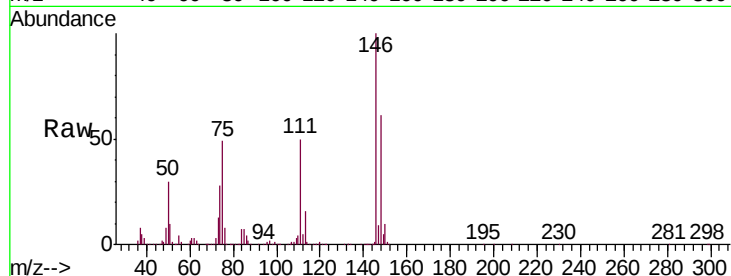




#77
 1,2-Dichlorobenzene
 Concen: 9.898 ppbv
 RT: 17.87 min Scan# 4691
 Delta R.T. 0.00 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

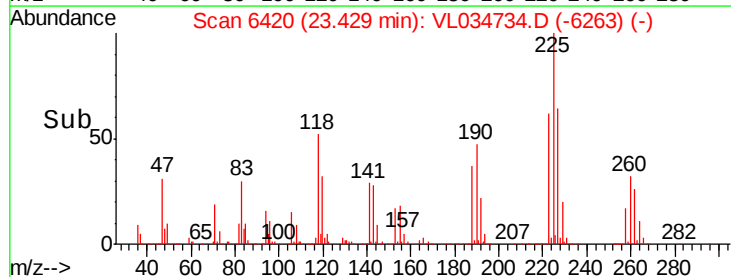
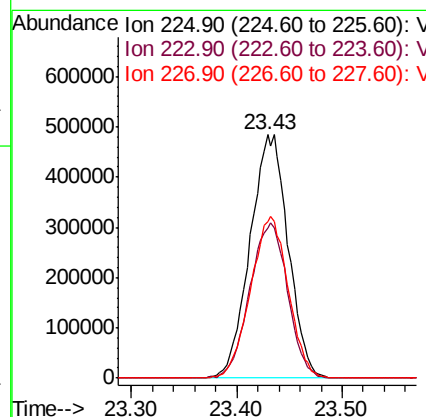
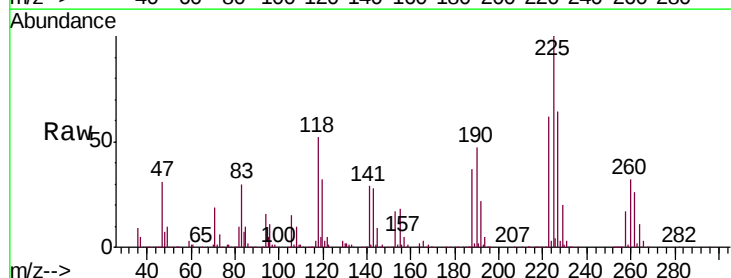
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0228ABS01

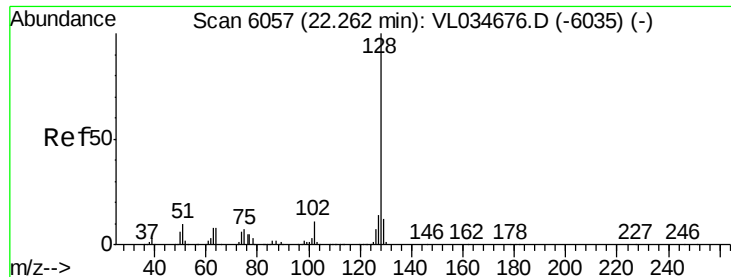
Tgt Ion:146 Resp: 1514077
 Ion Ratio Lower Upper
 146 100
 111 50.0 24.9 74.7
 148 64.5 32.0 96.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.139 ppbv
 RT: 23.43 min Scan# 6420
 Delta R.T. 0.00 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

Tgt Ion:225 Resp: 1217249
 Ion Ratio Lower Upper
 225 100
 223 63.5 51.3 76.9
 227 65.5 51.3 76.9





#79

Naphthalene

Concen: 10.717 ppbv

RT: 22.27 min Scan# 6059

Delta R.T. 0.01 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Instrument :

MSVOA_L

ClientSampleId :

VL0228ABS01

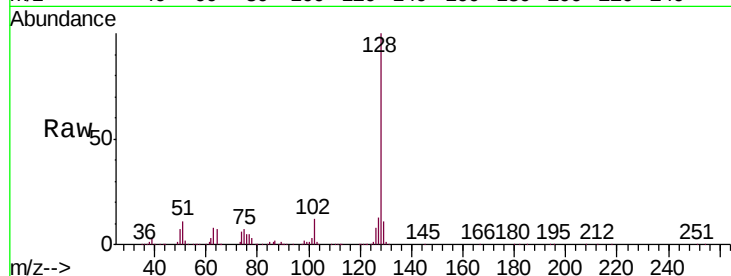
Tgt Ion:128 Resp: 2585278

Ion Ratio Lower Upper

128 100

127 12.8 11.0 16.6

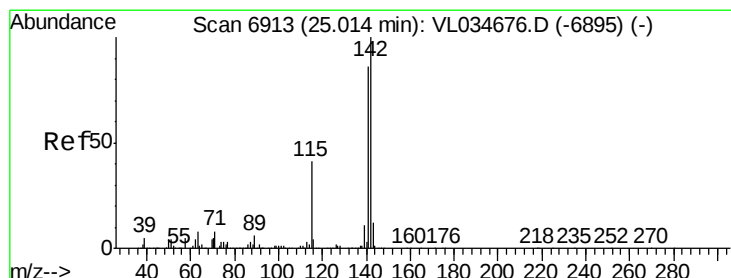
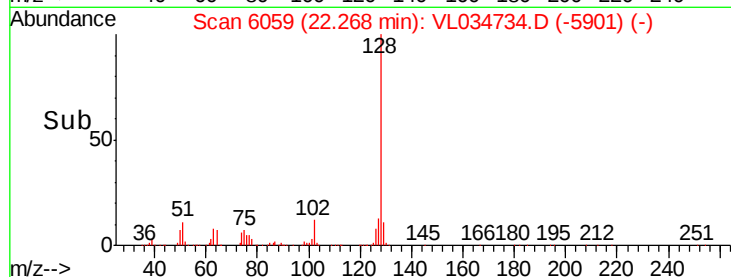
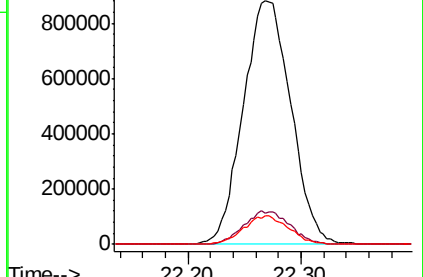
129 11.5 9.4 14.2



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: 12.052 ppbv

RT: 25.02 min Scan# 6916

Delta R.T. 0.01 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

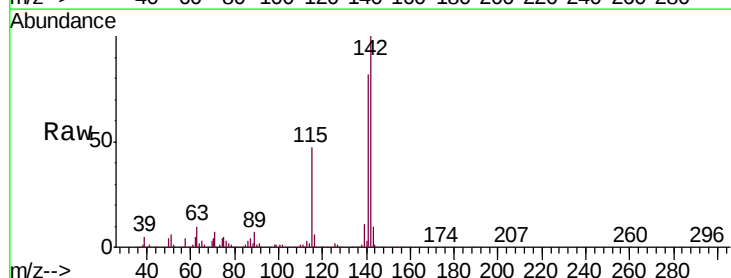
Tgt Ion:142 Resp: 896718

Ion Ratio Lower Upper

142 100

141 85.5 66.5 99.7

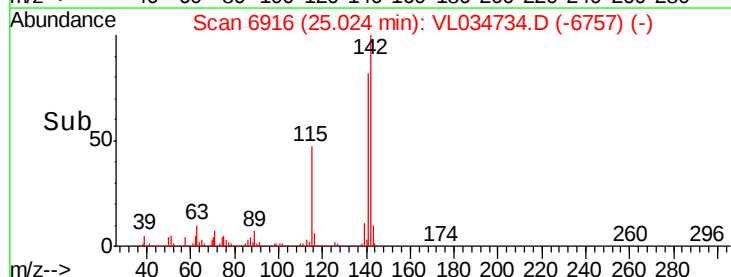
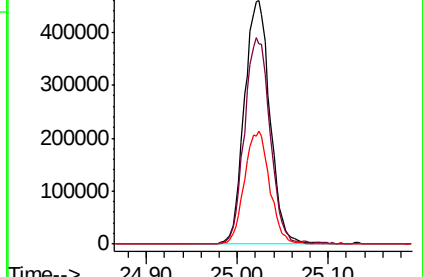
115 46.2 30.6 46.0#

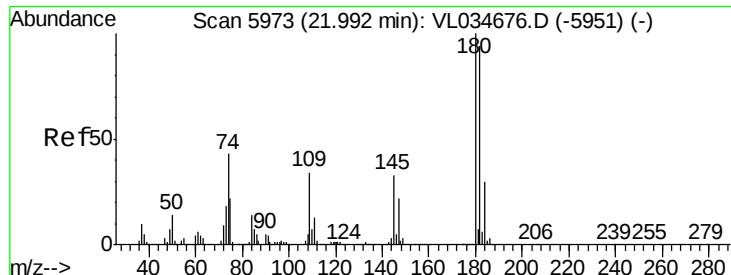


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 9.634 ppbv

RT: 22.00 min Scan# 5975

Delta R.T. 0.01 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Instrument :

MSVOA_L

ClientSampleId :

VL0228ABS01

Tgt Ion:180 Resp: 1387027

Ion Ratio Lower Upper

180 100

182 96.4 76.5 114.7

184 31.0 25.2 37.8

