

Data File : VL034821.D
Acq On : 6 Mar 2020 19:12
Operator : SY/AP
Sample : VL0306ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0306ABS01

Quant Time: Mar 07 03:17:14 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030420AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04 06:36:39 2020
QLast Update : Wed Mar 04 06:36:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	846068	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.19	114	1963316	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.12	117	2457248	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	1554838	7.59	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	75.90%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.02	85	1244627	9.014	ppbv	100
3) Chlorodifluoromethane	2.95	51	825885	8.568	ppbv	97
4) Chloromethane	3.11	50	490644	9.450	ppbv	94
5) Vinyl Chloride	3.23	62	461169	8.408	ppbv	98
6) Bromomethane	3.45	94	265264	8.861	ppbv	89
7) Chloroethane	3.53	64	162556	8.571	ppbv	100
8) Dichlorotetrafluoroethane	3.15	85	1010046	8.421	ppbv	91
9) Propene	2.97	41	418008	11.017	ppbv	96
10) Heptane	8.14	43	1051876	10.909	ppbv	96
11) Trichlorofluoromethane	3.93	101	1040947	8.425	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.47	101	746776	8.760	ppbv	92
13) Ethanol	3.58	45	102002	7.847	ppbv	95
14) Bromoethene	3.71	108	332599	9.509	ppbv	97
15) Acetone	3.83	43	923734	9.117	ppbv	100
16) 1,3-Butadiene	3.29	39	452280	9.866	ppbv	98
17) tert-Butyl alcohol	4.28	59	872845	10.926	ppbv	100
18) 1,1-Dichloroethene	4.27	96	340975	9.069	ppbv	99
19) Isopropyl Alcohol	3.95	45	575724	9.484	ppbv #	1
20) Methylene Chloride	4.33	84	291056	8.049	ppbv	96
21) Allyl Chloride	4.39	41	649410	10.122	ppbv	96
22) trans-1,2-Dichloroethene	4.87	96	352858	9.614	ppbv	97
23) Vinyl Acetate	5.07	43	1522982	11.210	ppbv #	98
24) 1,1-Dichloroethane	5.00	63	953620	9.043	ppbv	98
25) Ethyl Acetate	5.67	43	1725459	9.855	ppbv	100
26) Hexane	5.68	57	752208	9.835	ppbv	97
27) Carbon Disulfide	4.54	76	941805	10.540	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	1283092	11.271	ppbv	100
29) Chloroform	5.75	83	1097459	8.524	ppbv	98
30) Cyclohexane	7.14	84	639483	10.929	ppbv	100
31) cis-1,2-Dichloroethene	5.55	61	781080	9.956	ppbv	99
32) 1,1,1-Trichloroethane	6.52	97	1101618	8.659	ppbv	96
34) 2-Butanone	5.24	43	1170599	9.165	ppbv	99
35) Carbon Tetrachloride	7.03	117	1147439	7.745	ppbv	98
36) Benzene	6.90	78	1558171	9.288	ppbv	98
37) 1,2-Dichloroethane	6.31	62	845974	7.382	ppbv #	97
38) Trichloroethene	7.85	130	592503	9.061	ppbv	94
39) 1,2-Dichloropropane	7.63	63	613358	9.059	ppbv	95
40) 1,4-Dioxane	7.85	88	214460	9.158	ppbv #	94
41) Tetrahydrofuran	6.05	42	678954	10.418	ppbv	96
42) Bromodichloromethane	7.81	83	1206955	8.324	ppbv	100
43) Methyl Methacrylate	8.03	69	684634	9.630	ppbv	95

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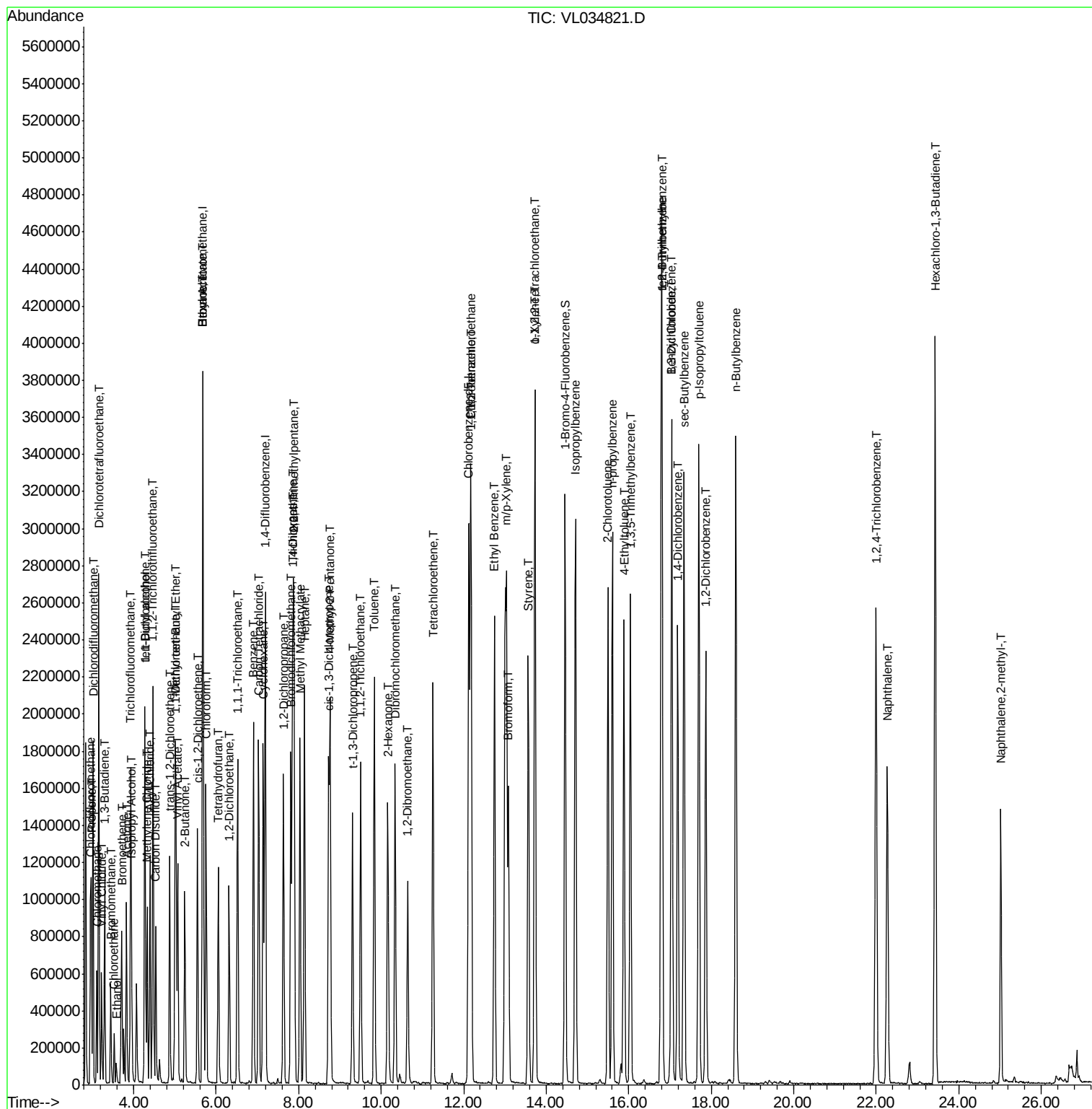
Quant Time: Mar 07 03:17:14 2020
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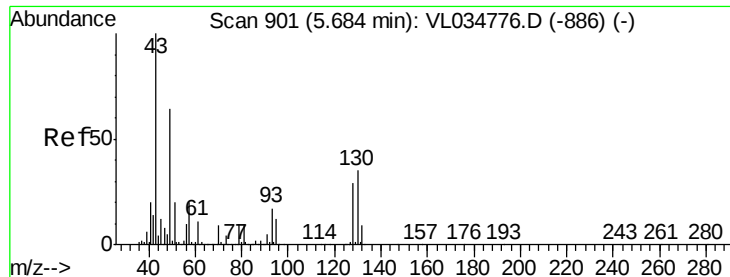
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	2636481	8.993	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	870789	11.668	ppbv	98
46) cis-1,3-Dichloropropene	8.73	75	987485	10.836	ppbv	96
47) 1,1,2-Trichloroethane	9.50	97	610220	8.537	ppbv	89
48) Dibromochloromethane	10.34	129	1084849	9.706	ppbv	99
49) Bromoform	13.08	173	961637	9.859	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	1718646	9.391	ppbv	98
51) 2-Hexanone	10.16	43	1410511	9.825	ppbv #	99
52) Tetrachloroethene	11.25	164	578926	9.340	ppbv	96
53) Toluene	9.83	91	1790268	10.083	ppbv	100
54) 1,2-Dibromoethane	10.65	107	938158	8.876	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.16	131	786498	7.224	ppbv	95
57) Chlorobenzene	12.18	112	1321426	7.040	ppbv	97
58) Ethyl Benzene	12.75	91	2354911	7.777	ppbv	96
59) m/p-Xylene	13.03	91	2114646	8.067	ppbv #	42
60) o-Xylene	13.73	91	1831896	6.907	ppbv	97
61) Styrene	13.57	104	1419239	8.626	ppbv	97
62) Isopropylbenzene	14.71	105	2807967	7.194	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	1228374	5.875	ppbv	100
64) n-propylbenzene	15.61	120	739321	7.554	ppbv	92
65) tert-Butylbenzene	16.79	119	2446440	7.416	ppbv	93
66) Benzyl Chloride	17.03	91	1328701	12.459	ppbv	95
67) sec-Butylbenzene	17.34	105	3411601	7.097	ppbv	100
69) p-Isopropyltoluene	17.70	119	2922781	7.513	ppbv	97
70) n-Butylbenzene	18.60	91	2942785	6.918	ppbv	98
71) 2-Chlorotoluene	15.50	91	2087291	7.080	ppbv	96
72) 4-Ethyltoluene	15.89	105	2243628	7.598	ppbv	97
73) 1,3,5-Trimethylbenzene	16.04	105	2098875	7.410	ppbv	96
74) 1,2,4-Trimethylbenzene	16.81	105	2142393	6.958	ppbv #	90
75) 1,3-Dichlorobenzene	17.05	146	1271774	6.977	ppbv	97
76) 1,4-Dichlorobenzene	17.19	146	1290649	7.399	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	1272106	7.295	ppbv	97
78) Hexachloro-1,3-Butadiene	23.43	225	1138906	7.826	ppbv	99
79) Naphthalene	22.27	128	2283469	9.868	ppbv	98
80) Naphthalene,2-methyl-	25.02	142	872234	15.782	ppbv	99
81) 1,2,4-Trichlorobenzene	22.00	180	1312583	8.973	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# 896

Delta R.T. -0.02 min

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VL0306ABS01

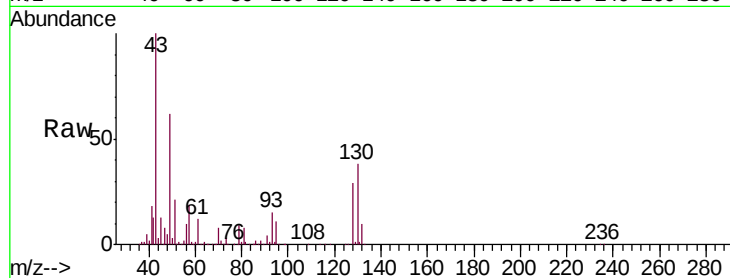
Tgt Ion: 49 Resp: 846068

Ion Ratio Lower Upper

49 100

128 46.0 21.6 64.6

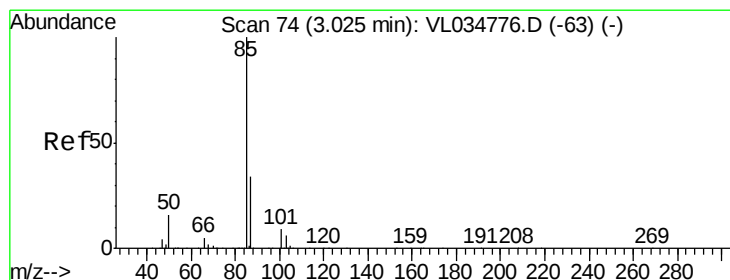
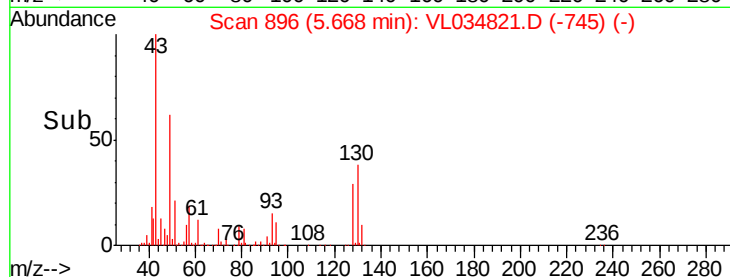
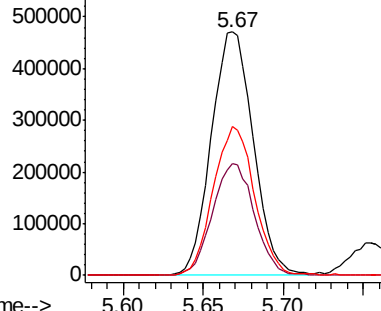
130 60.5 27.4 82.2



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.014 ppbv

RT: 3.02 min Scan# 71

Delta R.T. -0.01 min

Lab File: VL034821.D

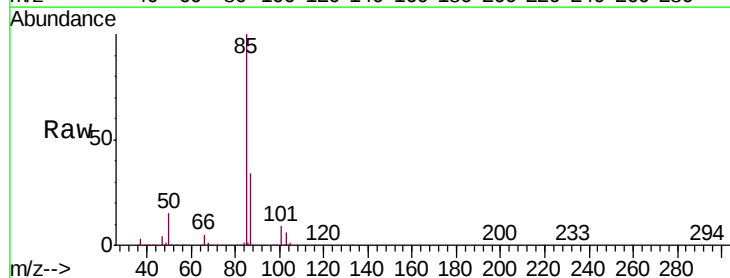
Acq: 6 Mar 2020 19:12

Tgt Ion: 85 Resp: 1244627

Ion Ratio Lower Upper

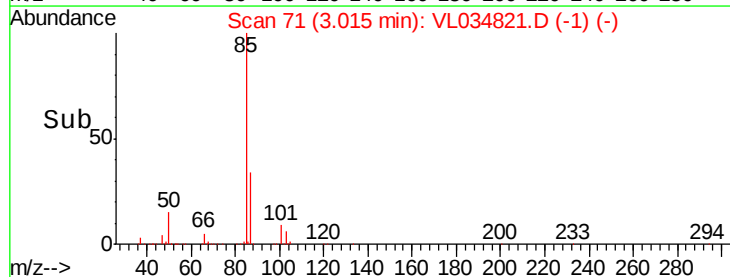
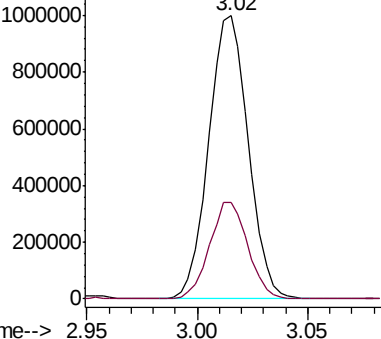
85 100

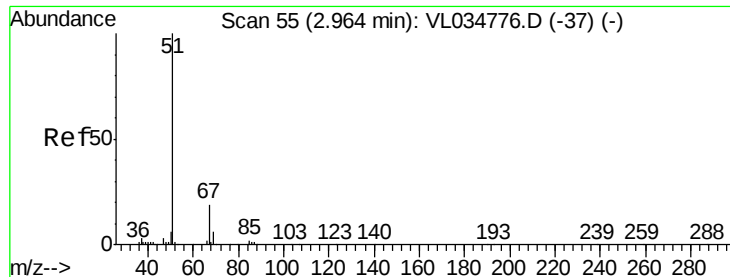
87 34.0 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.568 ppbv

RT: 2.95 min Scan# 52

Delta R.T. -0.01 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Instrument :

MSVOA_L

ClientSampleId :

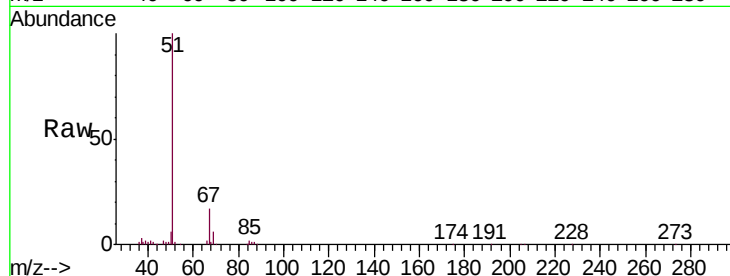
VL0306ABS01

Tgt Ion: 51 Resp: 825885

Ion Ratio Lower Upper

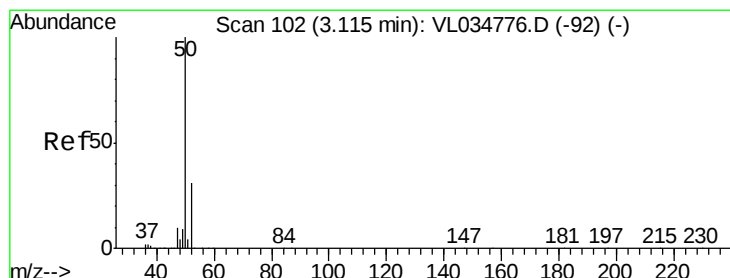
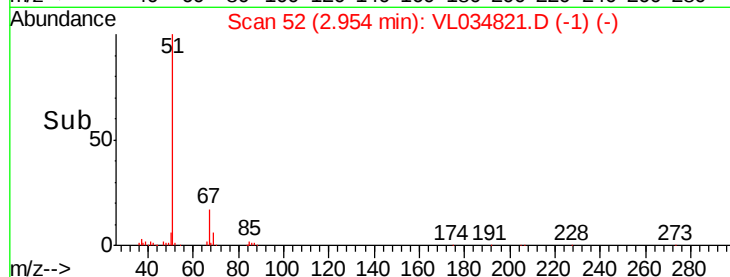
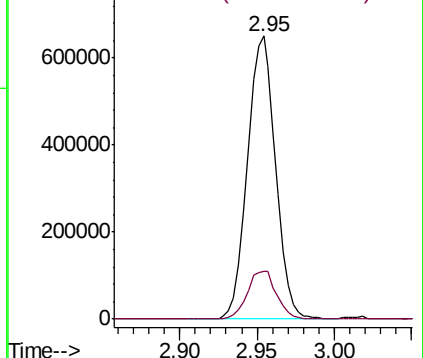
51 100

67 17.6 15.3 22.9



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.450 ppbv

RT: 3.11 min Scan# 99

Delta R.T. -0.01 min

Lab File: VL034821.D

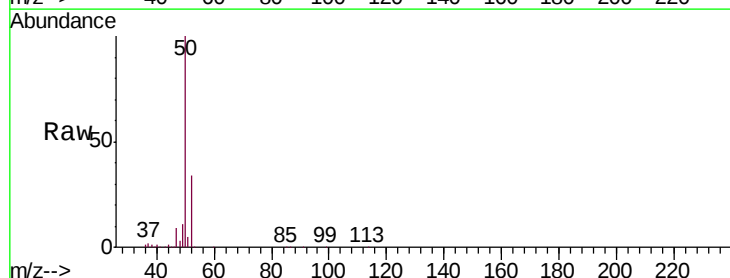
Acq: 6 Mar 2020 19:12

Tgt Ion: 50 Resp: 490644

Ion Ratio Lower Upper

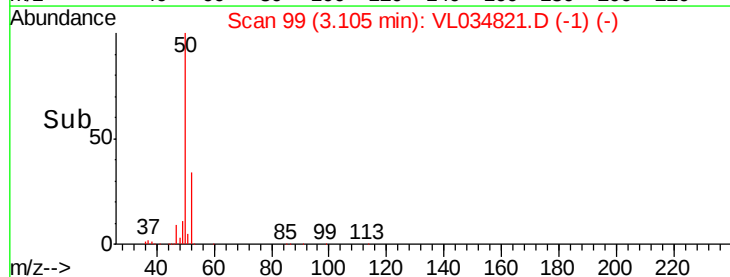
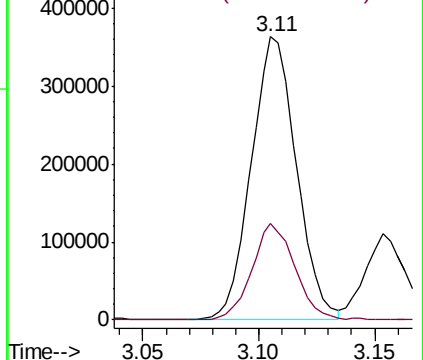
50 100

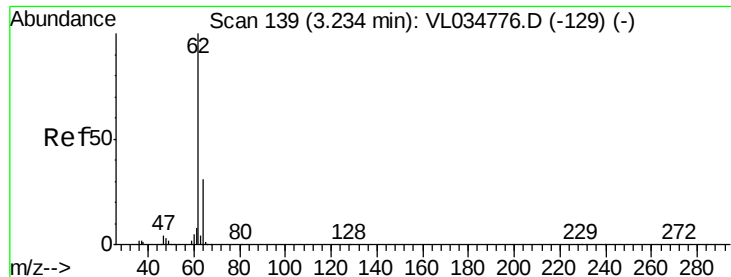
52 34.3 25.0 37.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.408 ppbv

RT: 3.23 min Scan# 137

Delta R.T. -0.01 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Instrument :

MSVOA_L

ClientSampleId :

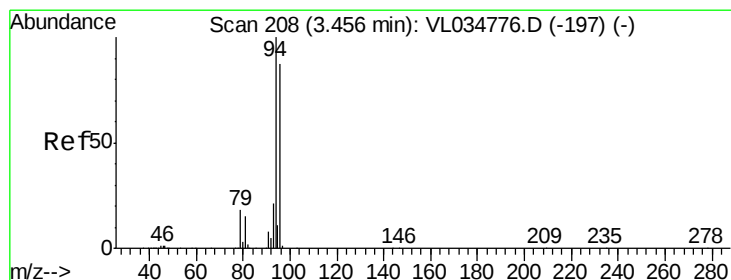
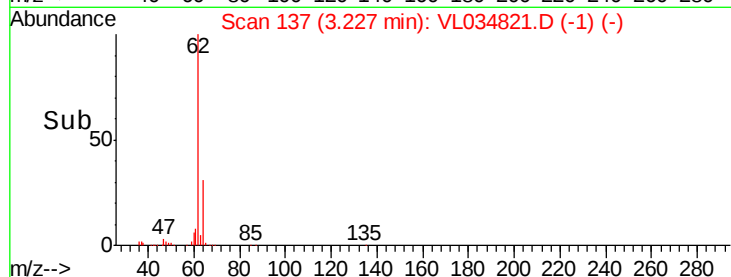
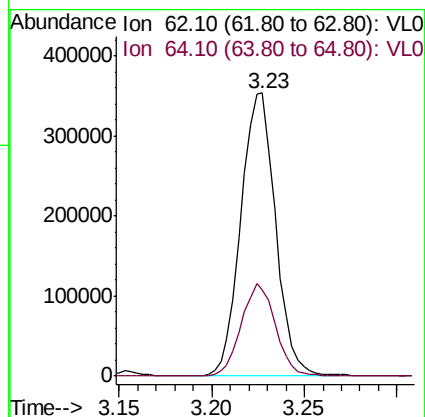
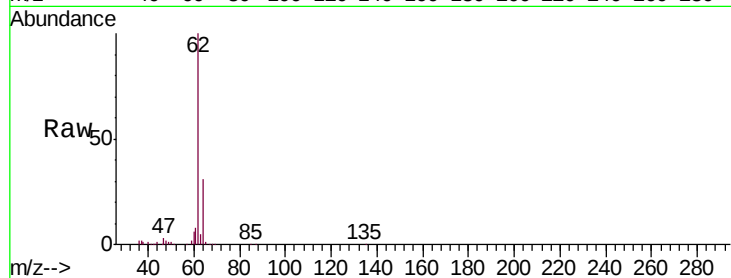
VL0306ABS01

Tgt Ion: 62 Resp: 461169

Ion Ratio Lower Upper

62 100

64 30.5 25.1 37.7



#6

Bromomethane

Concen: 8.861 ppbv

RT: 3.45 min Scan# 205

Delta R.T. -0.01 min

Lab File: VL034821.D

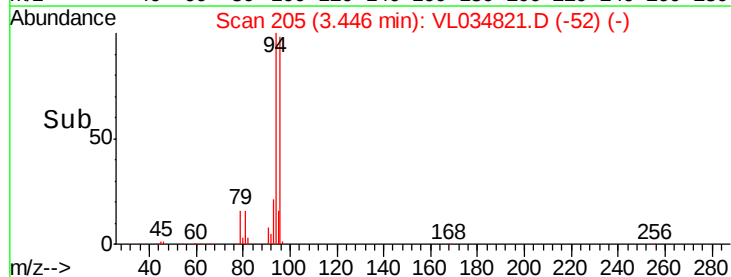
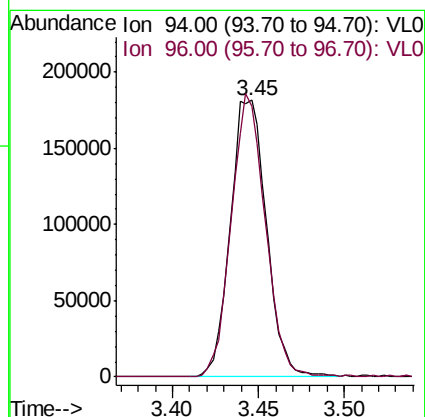
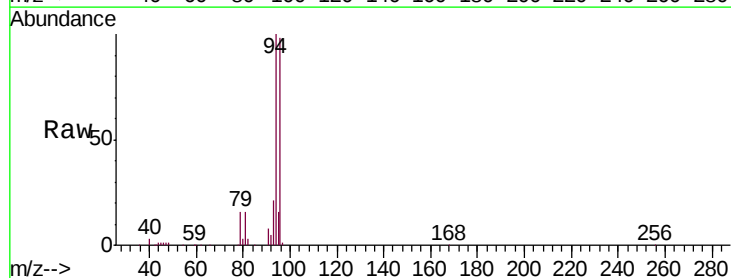
Acq: 6 Mar 2020 19:12

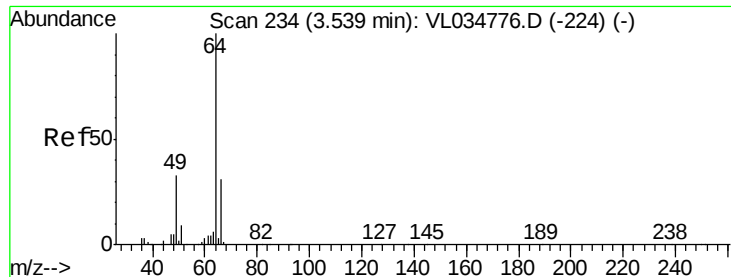
Tgt Ion: 94 Resp: 265264

Ion Ratio Lower Upper

94 100

96 97.7 70.0 105.0





#7

Chloroethane

Concen: 8.571 ppbv

RT: 3.53 min Scan# 231

Delta R.T. -0.01 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Instrument :

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ClientSampleId :

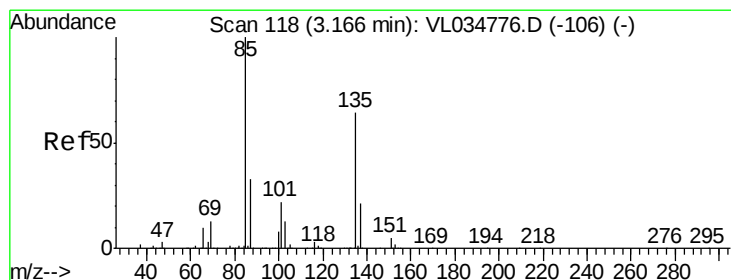
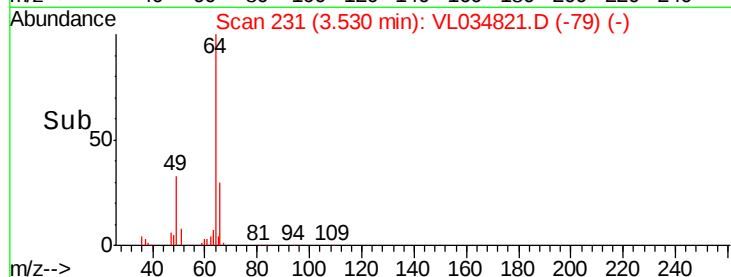
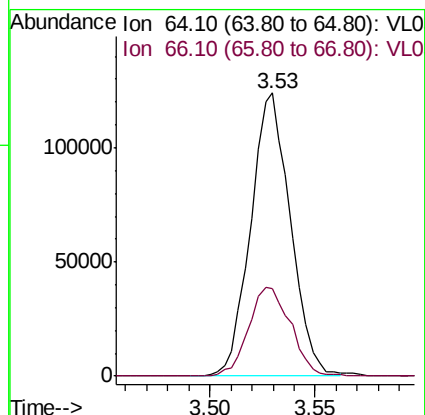
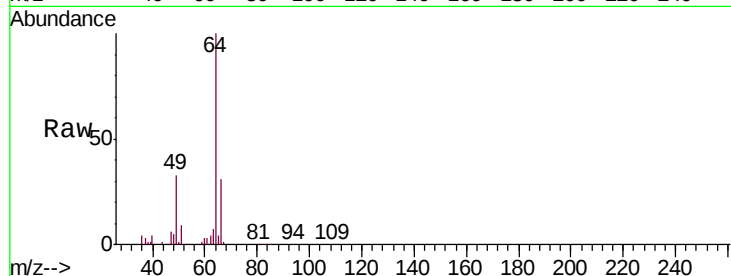
VL0306ABS01

Tgt Ion: 64 Resp: 162556

Ion Ratio Lower Upper

64 100

66 30.8 24.8 37.2



#8

Dichlorotetrafluoroethane

Concen: 8.421 ppbv

RT: 3.15 min Scan# 114

Delta R.T. -0.01 min

Lab File: VL034821.D

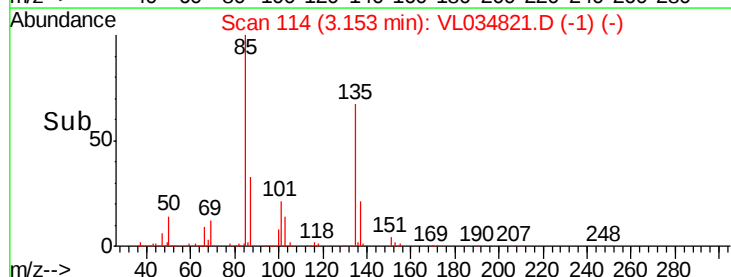
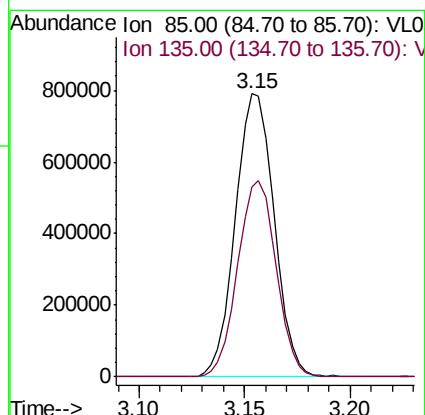
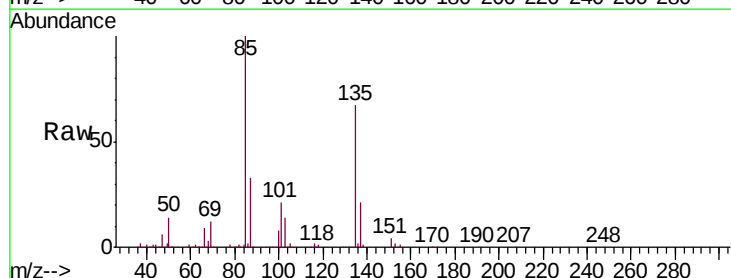
Acq: 6 Mar 2020 19:12

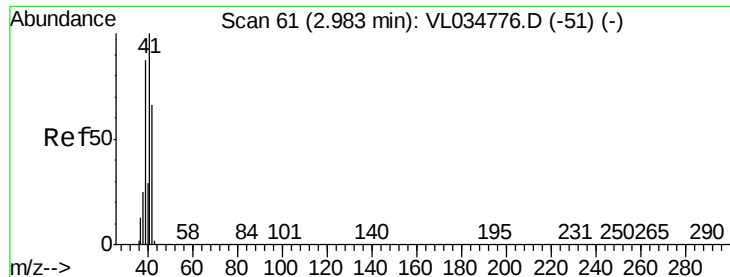
Tgt Ion: 85 Resp: 1010046

Ion Ratio Lower Upper

85 100

135 69.0 49.4 74.2





#9

Propene

Concen: 11.017 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.01 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

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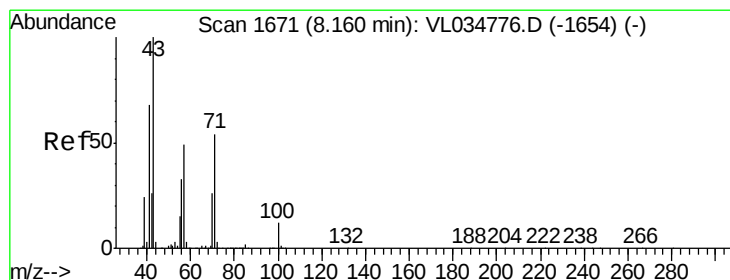
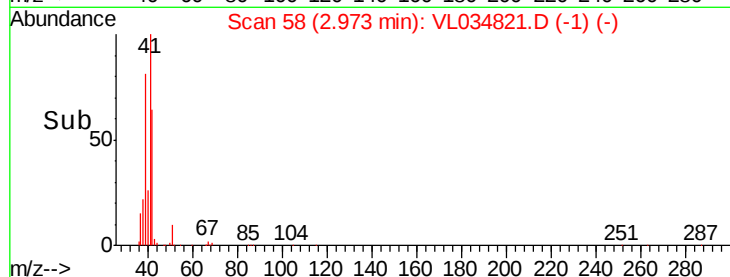
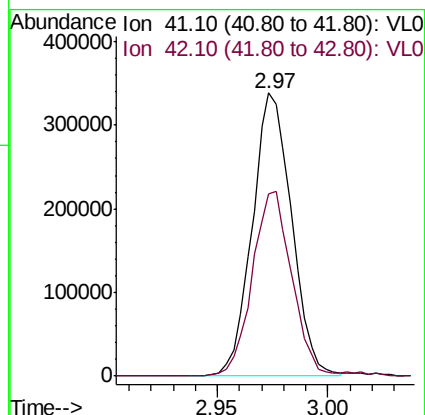
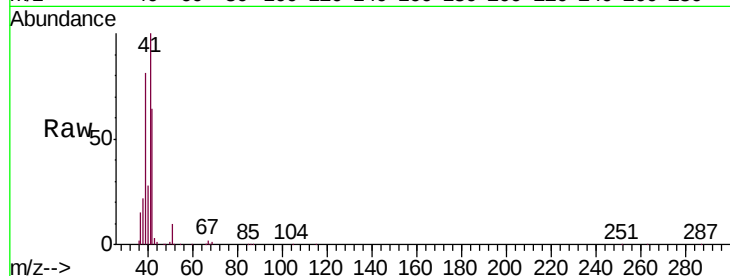
VL0306ABS01

Tgt Ion: 41 Resp: 418008

Ion Ratio Lower Upper

41 100

42 66.5 55.6 83.4



#10

Heptane

Concen: 10.909 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. -0.02 min

Lab File: VL034821.D

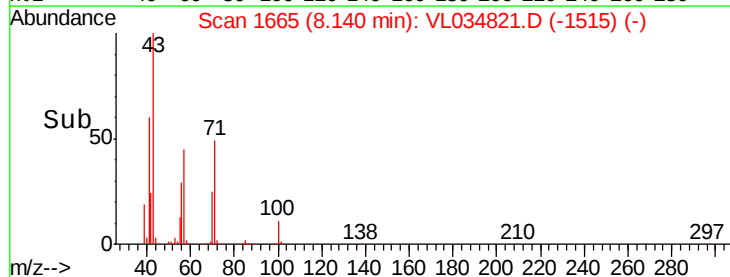
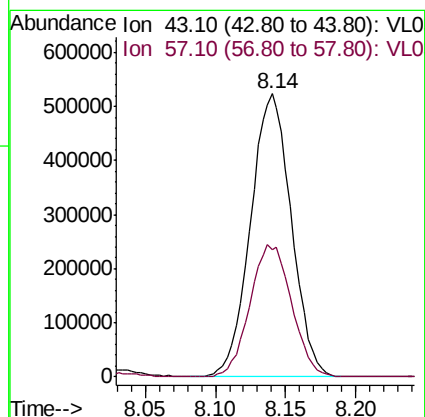
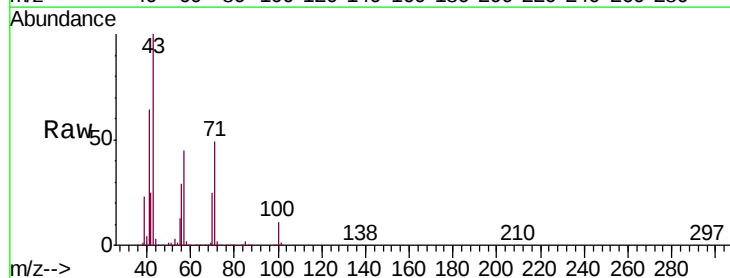
Acq: 6 Mar 2020 19:12

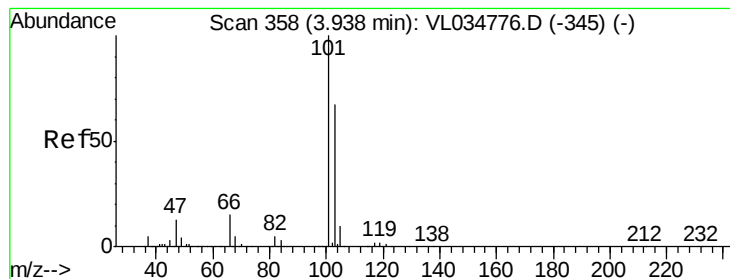
Tgt Ion: 43 Resp: 1051876

Ion Ratio Lower Upper

43 100

57 48.2 40.5 60.7





#11

Trichlorofluoromethane

Concen: 8.425 ppbv

RT: 3.93 min Scan# 354

Delta R.T. -0.01 min

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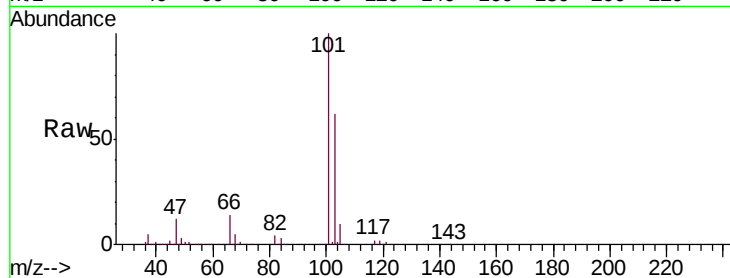
VL0306ABS01

Tgt Ion:101 Resp: 1040947

Ion Ratio Lower Upper

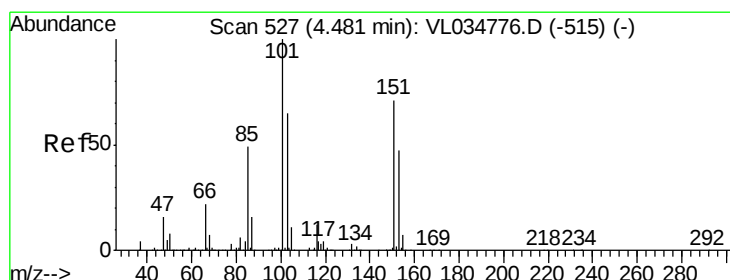
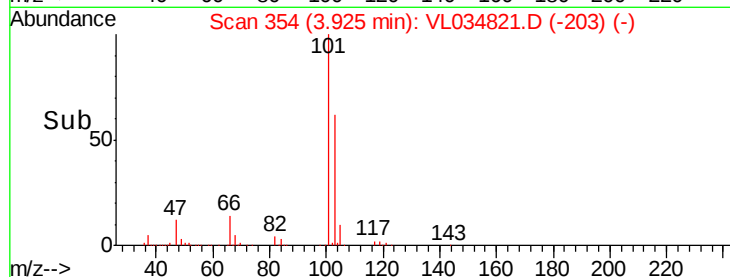
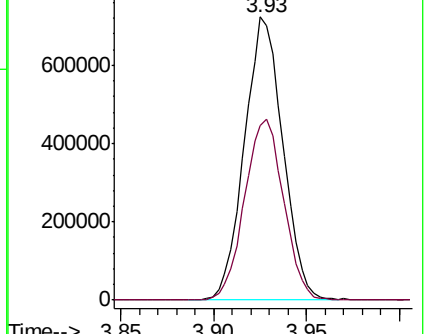
101 100

103 61.6 53.6 80.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.760 ppbv

RT: 4.47 min Scan# 524

Delta R.T. -0.01 min

Lab File: VL034821.D

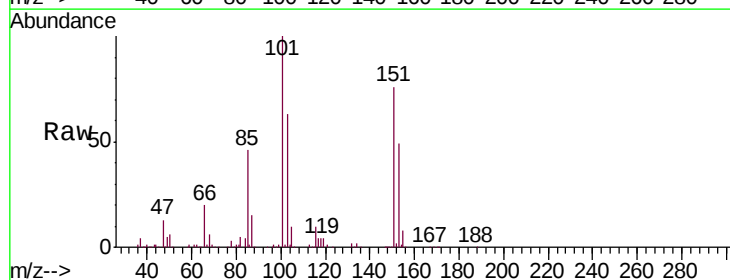
Acq: 6 Mar 2020 19:12

Tgt Ion:101 Resp: 746776

Ion Ratio Lower Upper

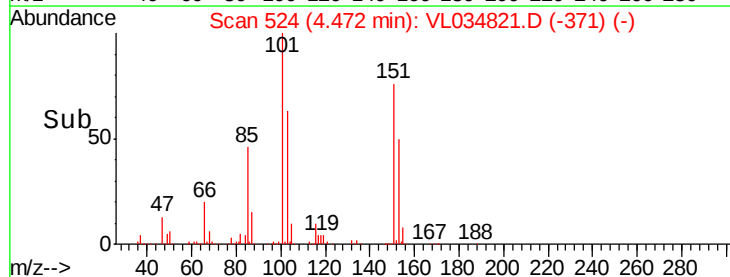
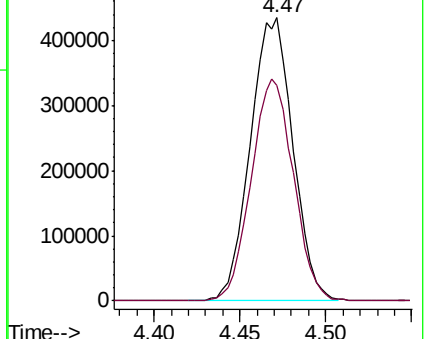
101 100

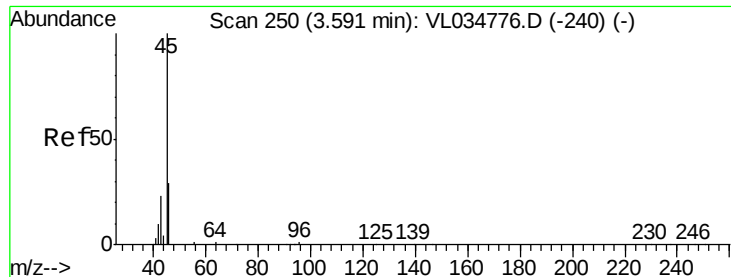
151 77.8 56.6 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

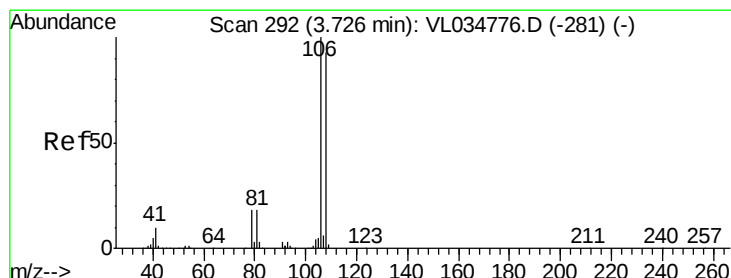
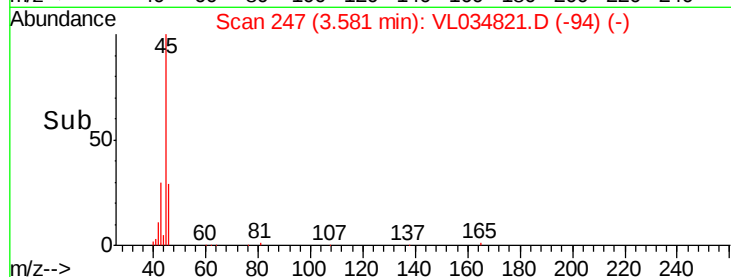
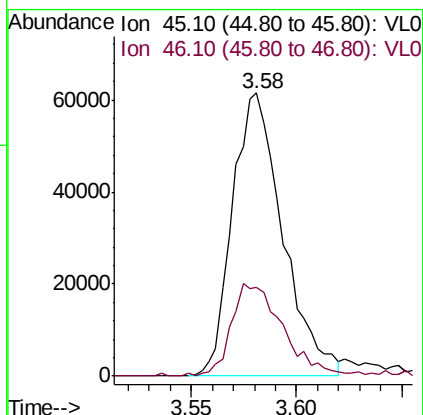
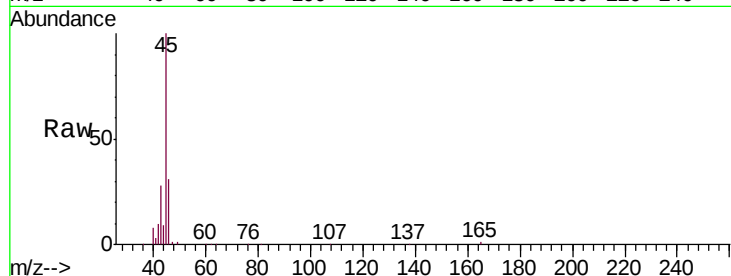




#13
Ethanol
Concen: 7.847 ppbv
RT: 3.58 min Scan# 247
Delta R.T. -0.01 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

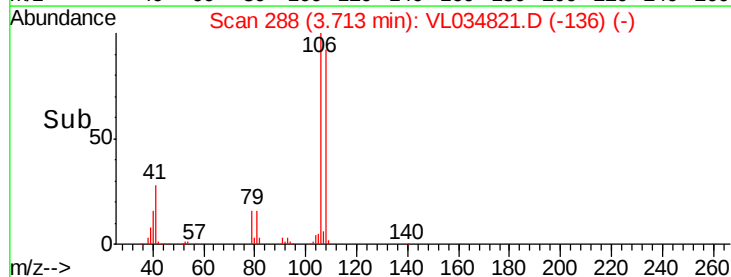
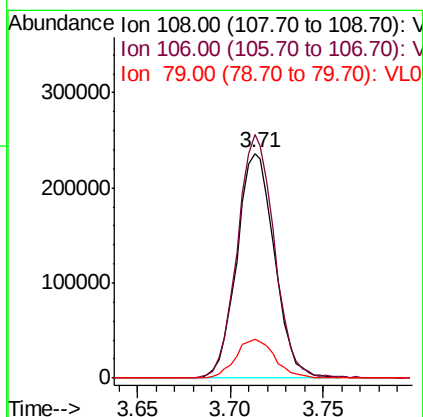
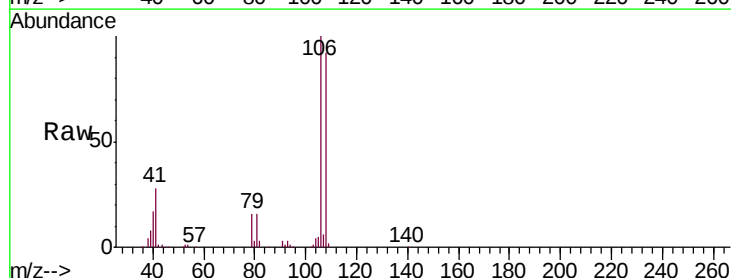
Instrument :
MSVOA_L
ClientSampleId :
VL0306ABS01

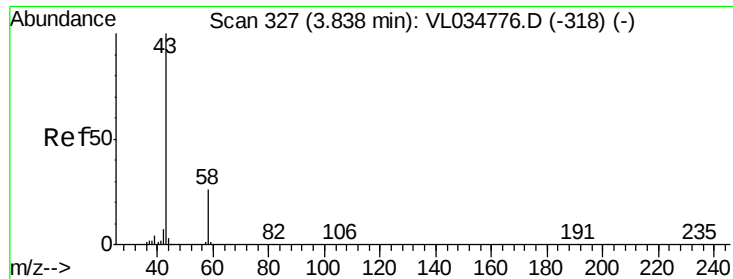
Tgt Ion: 45 Resp: 102002
Ion Ratio Lower Upper
45 100
46 33.6 14.7 58.9



#14
Bromoethene
Concen: 9.509 ppbv
RT: 3.71 min Scan# 288
Delta R.T. -0.01 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Tgt Ion: 108 Resp: 332599
Ion Ratio Lower Upper
108 100
106 107.0 83.5 125.3
79 17.8 15.6 23.4





#15

Acetone

Concen: 9.117 ppbv

RT: 3.83 min Scan# 323

Delta R.T. -0.01 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Instrument :

MSVOA_L

ClientSampleId :

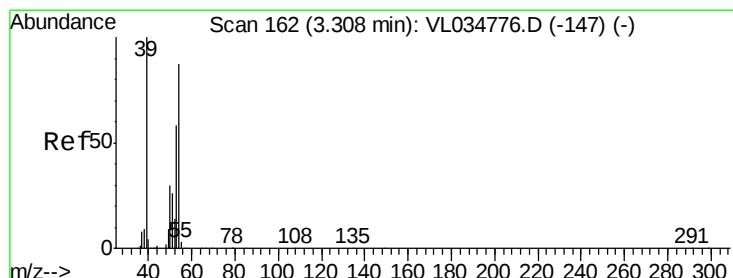
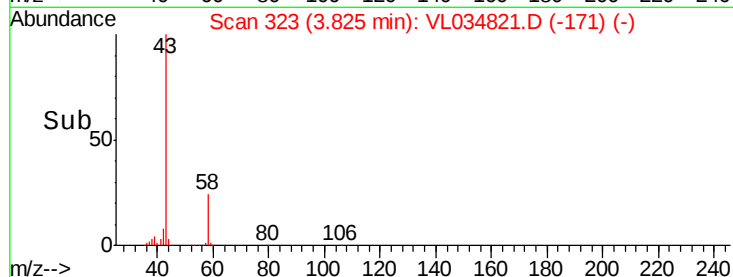
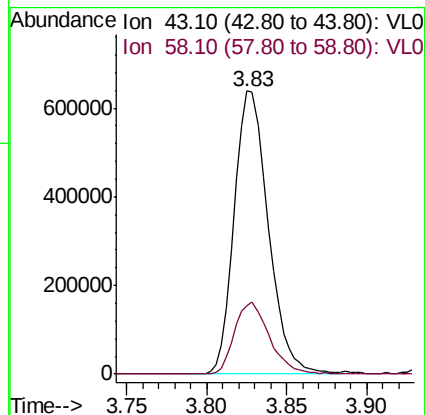
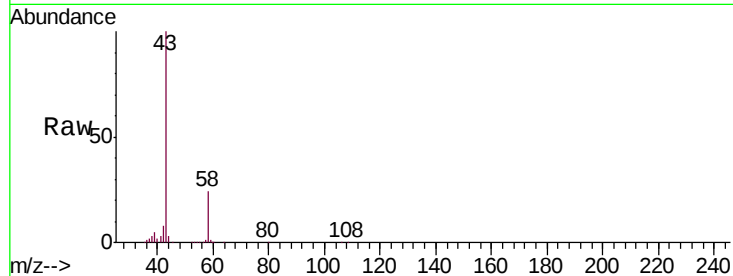
VL0306ABS01

Tgt Ion: 43 Resp: 923734

Ion Ratio Lower Upper

43 100

58 26.3 21.0 31.6



#16

1,3-Butadiene

Concen: 9.866 ppbv

RT: 3.29 min Scan# 158

Delta R.T. -0.01 min

Lab File: VL034821.D

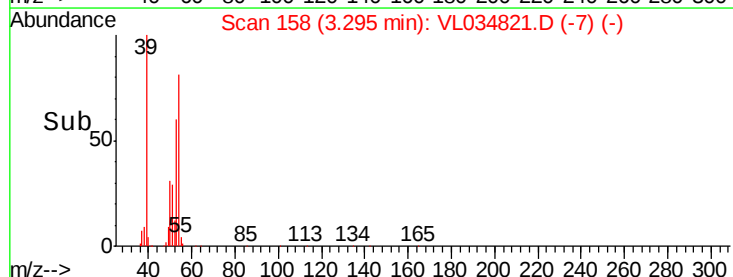
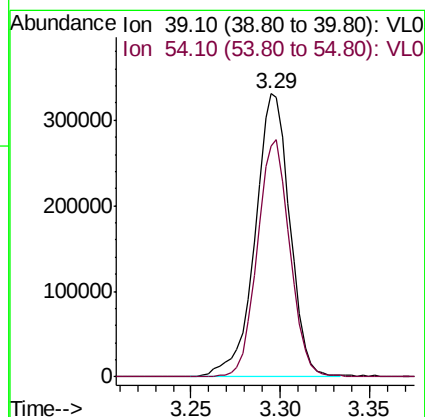
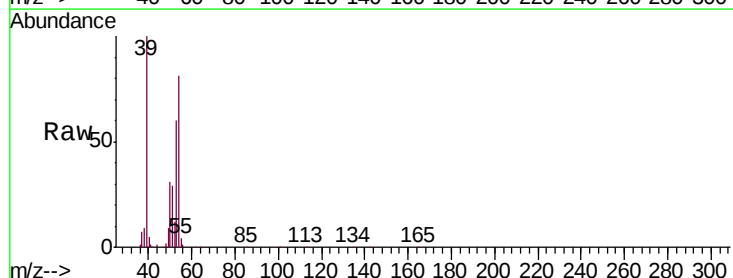
Acq: 6 Mar 2020 19:12

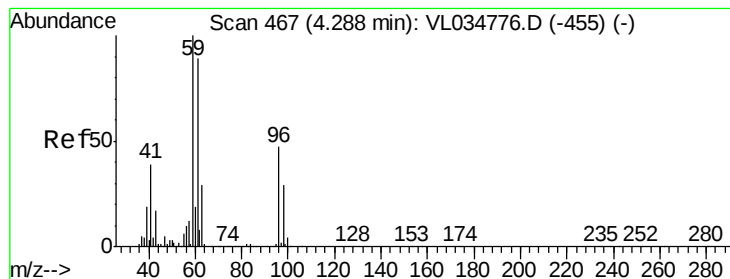
Tgt Ion: 39 Resp: 452280

Ion Ratio Lower Upper

39 100

54 78.7 64.2 96.2





#17

tert-Butyl alcohol

Concen: 10.926 ppbv

RT: 4.28 min Scan# 463

Delta R.T. -0.01 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Instrument :

MSVOA_L

ClientSampleId :

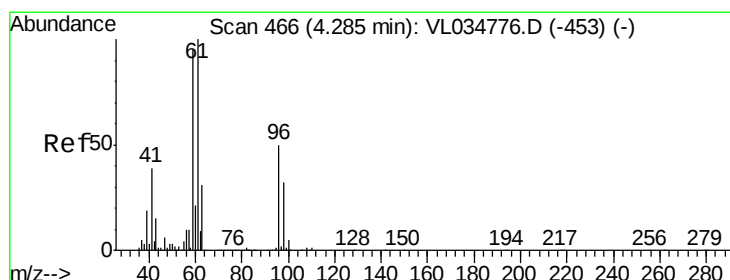
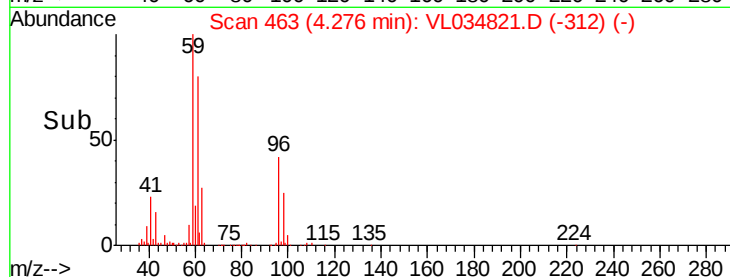
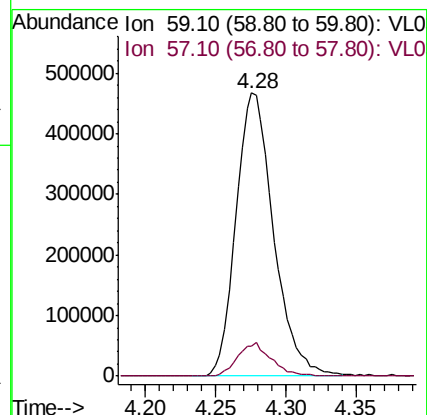
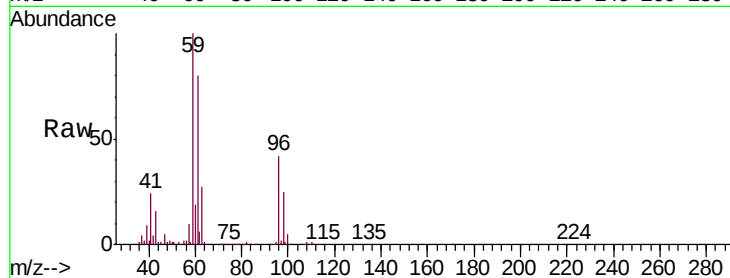
VL0306ABS01

Tgt Ion: 59 Resp: 872845

Ion Ratio Lower Upper

59 100

57 10.7 8.6 13.0



#18

1,1-Dichloroethene

Concen: 9.069 ppbv

RT: 4.27 min Scan# 461

Delta R.T. -0.02 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

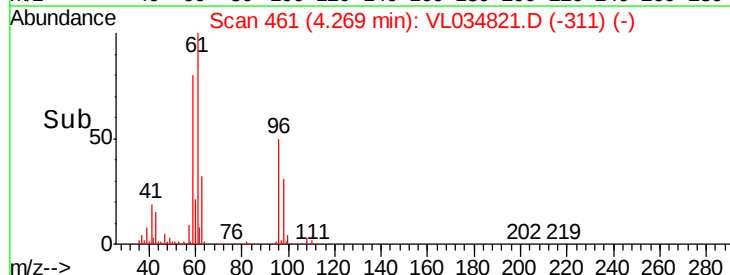
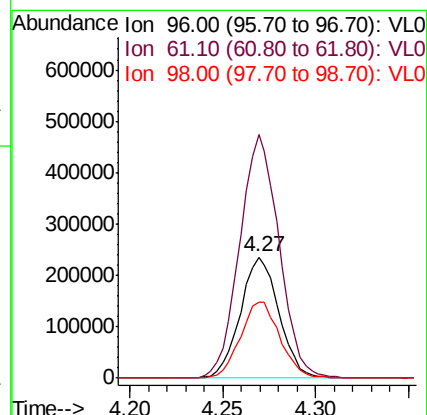
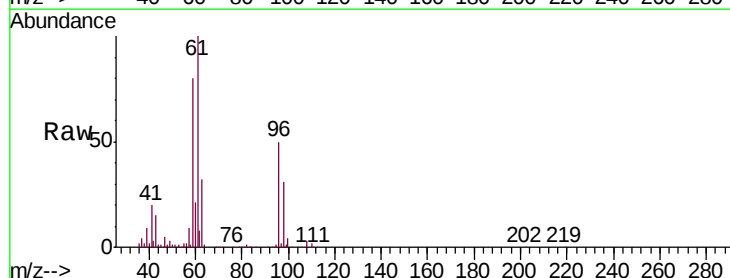
Tgt Ion: 96 Resp: 340975

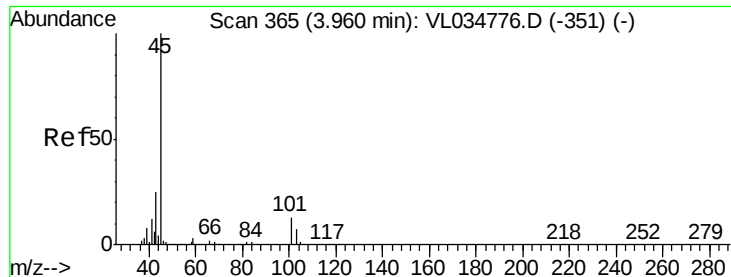
Ion Ratio Lower Upper

96 100

61 201.2 159.5 239.3

98 63.2 51.1 76.7





#19

Isopropyl Alcohol

Concen: 9.484 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.01 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Instrument :

MSVOA_L

ClientSampleId :

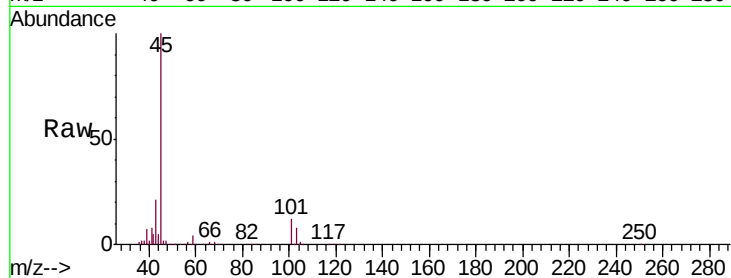
VL0306ABS01

Tgt Ion: 45 Resp: 575724

Ion Ratio Lower Upper

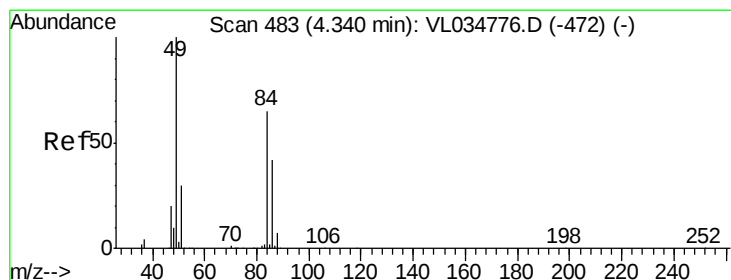
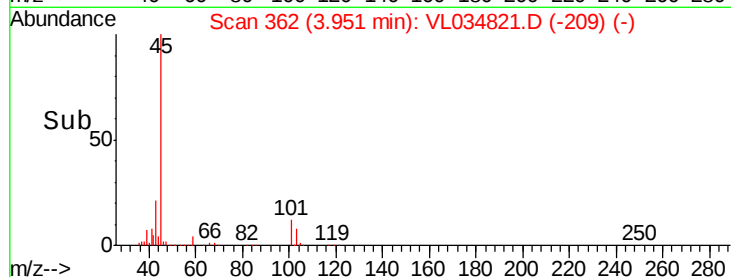
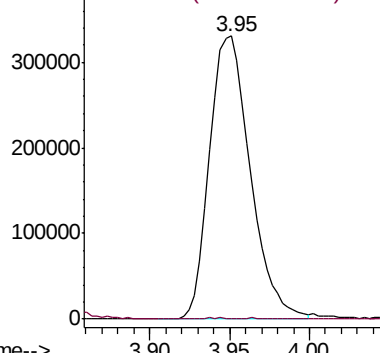
45 100

58 42.2 1.8 2.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.049 ppbv

RT: 4.33 min Scan# 479

Delta R.T. -0.01 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Tgt Ion: 84 Resp: 291056

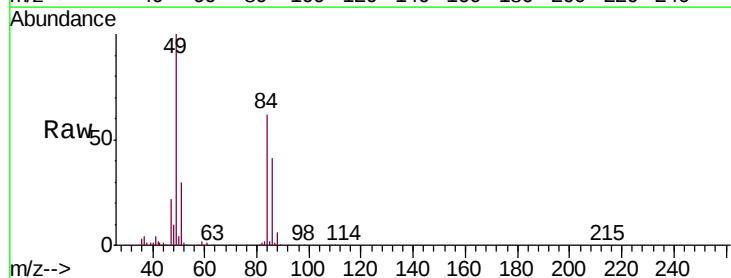
Ion Ratio Lower Upper

84 100

49 160.4 123.2 184.8

51 48.5 37.4 56.2

86 66.5 51.6 77.4

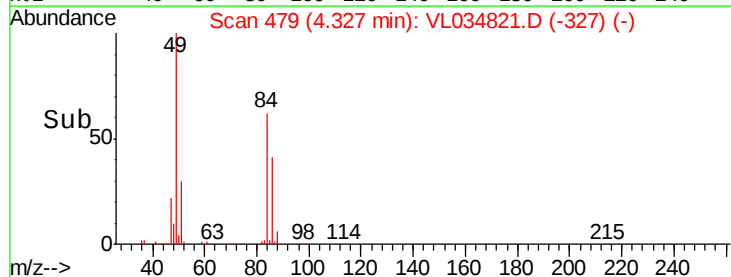
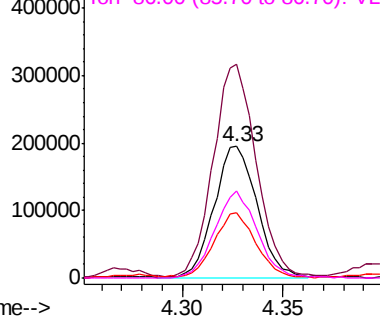


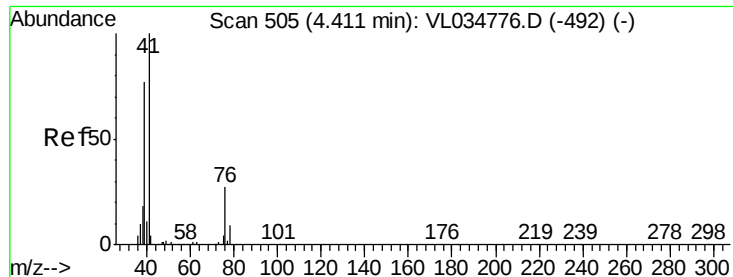
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

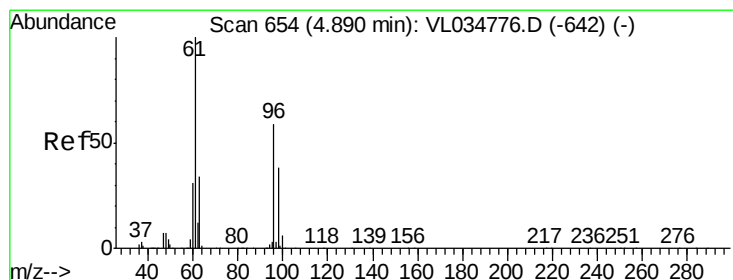
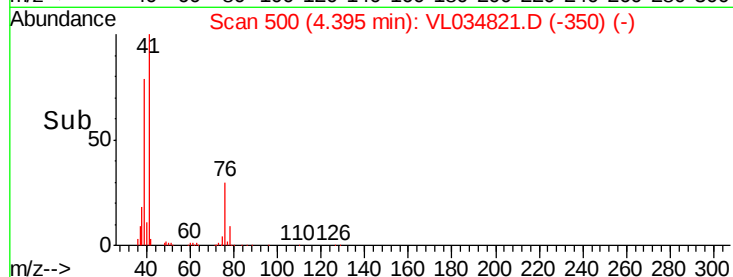
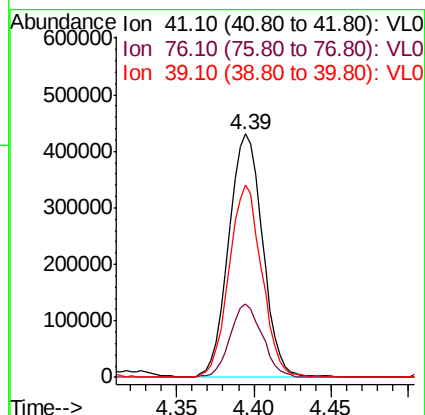
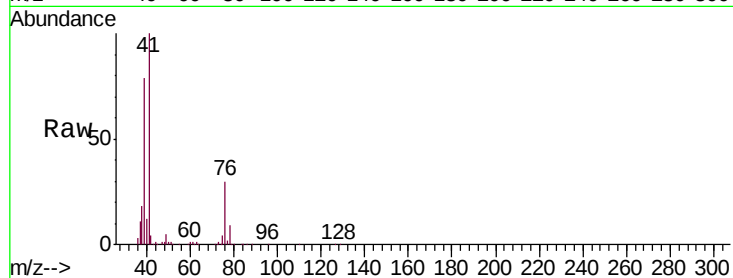




#21
 Allyl Chloride
 Concen: 10.122 ppbv
 RT: 4.39 min Scan# 500
 Delta R.T. -0.02 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

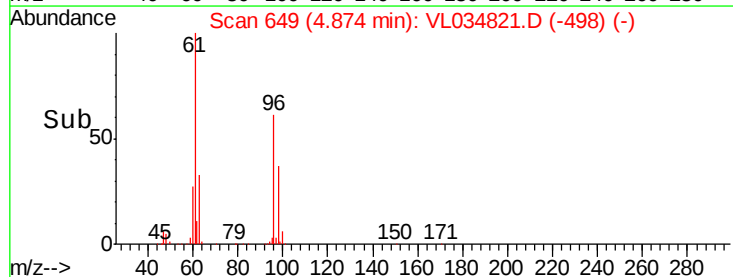
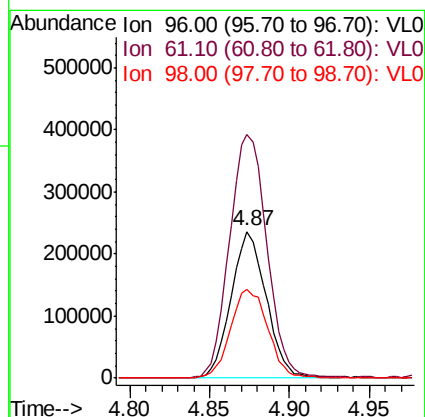
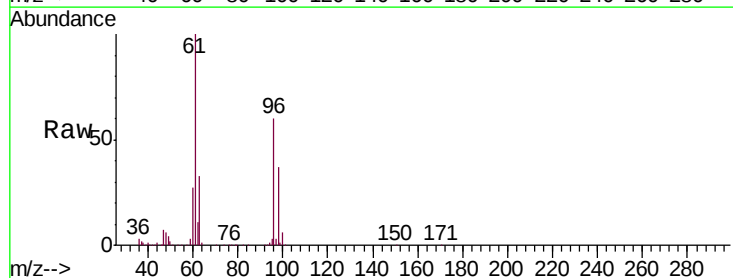
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0306ABS01

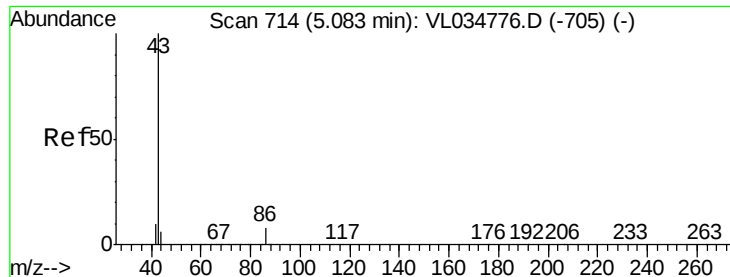
Tgt Ion: 41 Resp: 649410
 Ion Ratio Lower Upper
 41 100
 76 29.0 22.5 33.7
 39 77.1 65.0 97.6



#22
 trans-1,2-Dichloroethene
 Concen: 9.614 ppbv
 RT: 4.87 min Scan# 649
 Delta R.T. -0.02 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

Tgt Ion: 96 Resp: 352858
 Ion Ratio Lower Upper
 96 100
 61 165.5 135.2 202.8
 98 60.5 50.8 76.2





#23

Vinyl Acetate

Concen: 11.210 ppbv

RT: 5.07 min Scan# 709

Delta R.T. -0.02 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Instrument :

MSVOA_L

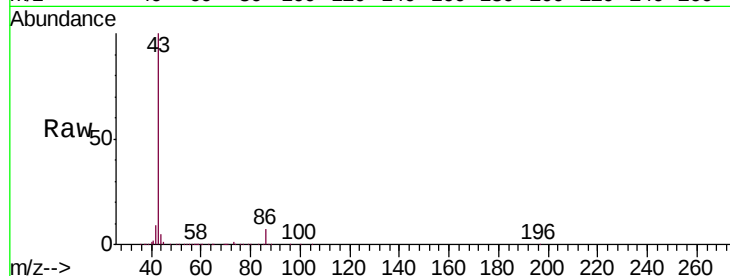
ClientSampleId :

VL0306ABS01

Tgt Ion: 43 Resp: 1522982

Ion Ratio Lower Upper

43	100		
86	6.7	5.9	8.9
42	9.5	8.2	12.2
44	4.4	4.5	6.7#

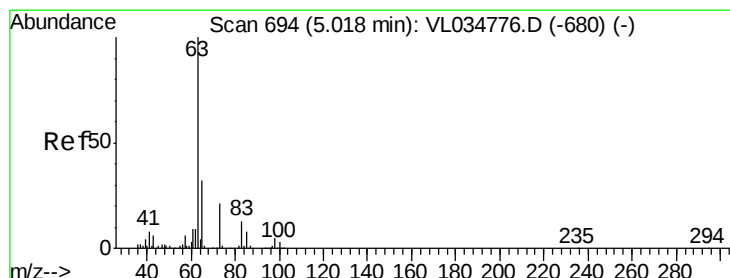
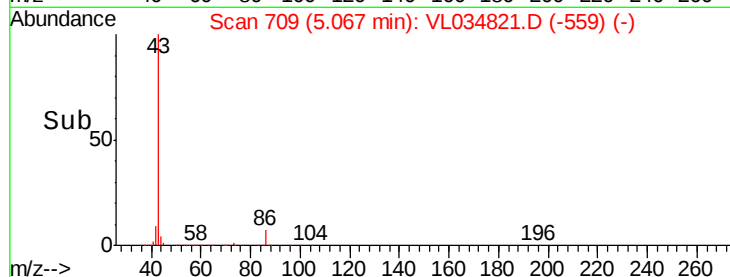
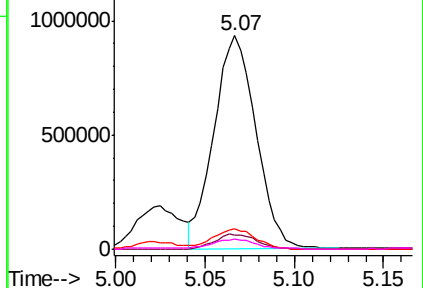


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.043 ppbv

RT: 5.00 min Scan# 689

Delta R.T. -0.02 min

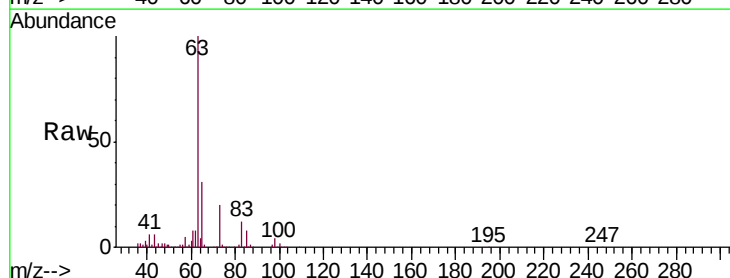
Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Tgt Ion: 63 Resp: 953620

Ion Ratio Lower Upper

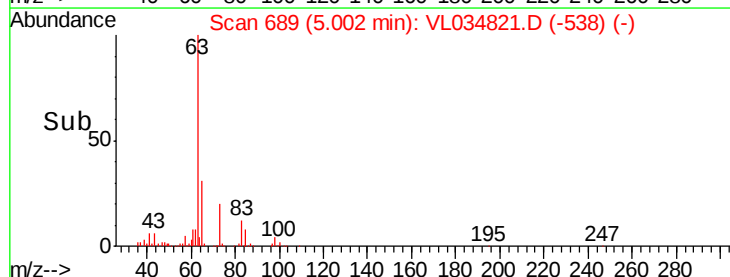
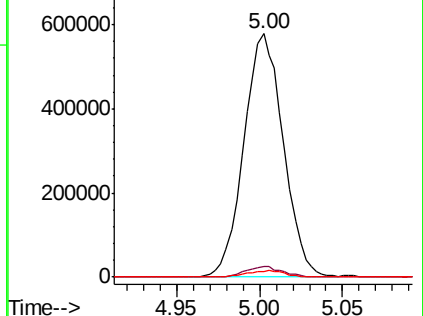
63	100		
98	4.1	2.3	6.8
100	2.2	1.5	4.4

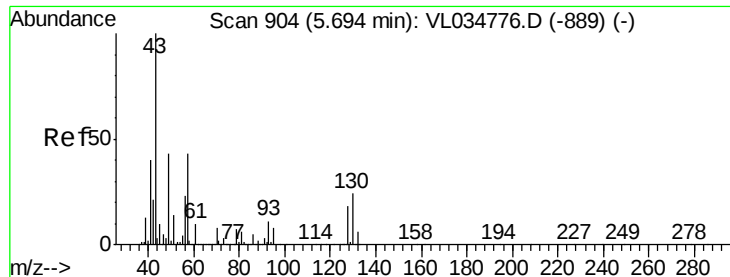


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



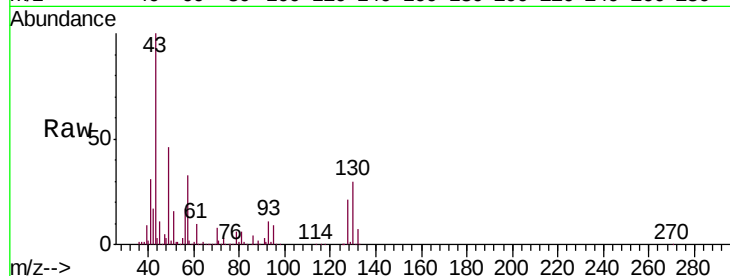


#25
Ethyl Acetate
Concen: 9.855 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.02 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Instrument :
MSVOA_L
ClientSampleId :
VL0306ABS01

Tgt Ion: 43 Resp: 1725459

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.4
61	9.5	7.5	11.3
70	7.2	6.0	9.0



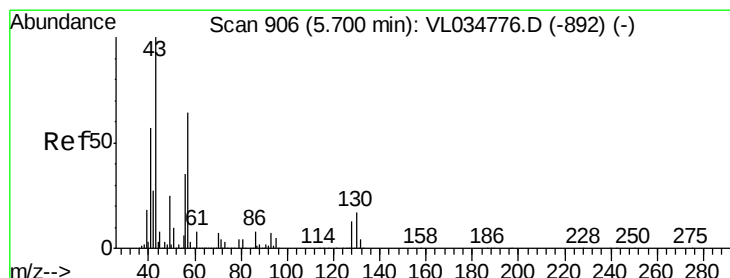
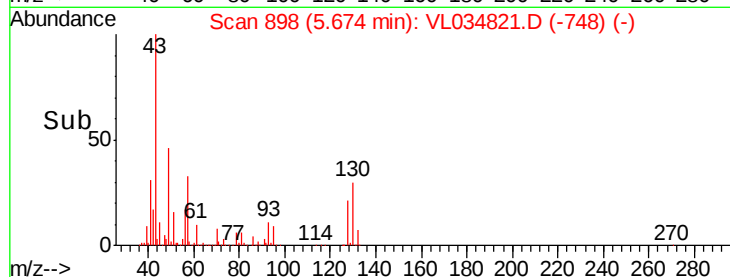
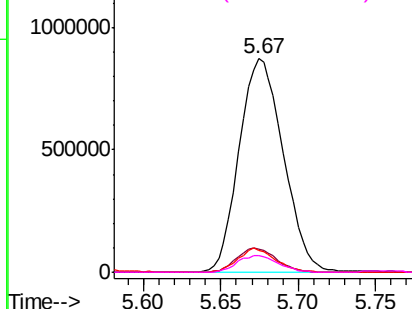
Abundance

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

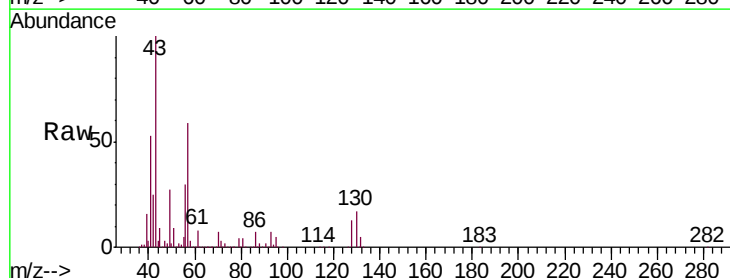
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.835 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.02 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Tgt Ion: 57 Resp: 752208

Ion	Ratio	Lower	Upper
57	100		
41	89.2	72.0	108.0
43	231.1	179.1	268.7
56	52.3	42.6	63.8



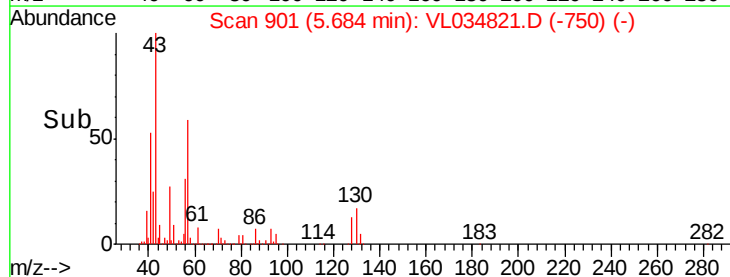
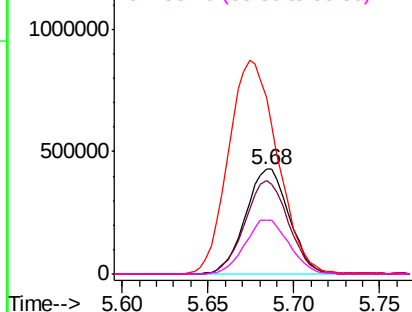
Abundance

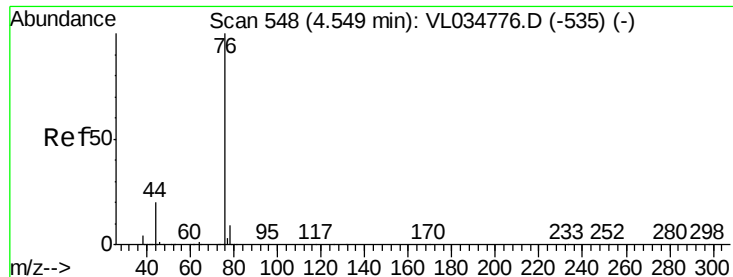
Ion 57.10 (56.80 to 57.80): VL0

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: 10.540 ppbv

RT: 4.54 min Scan# 544

Delta R.T. -0.01 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Instrument :

MSVOA_L

ClientSampleId :

VL0306ABS01

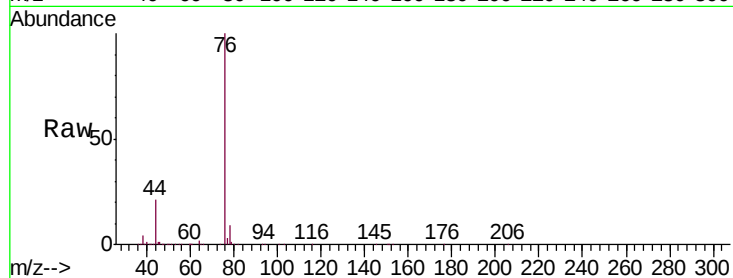
Tgt Ion: 76 Resp: 941805

Ion Ratio Lower Upper

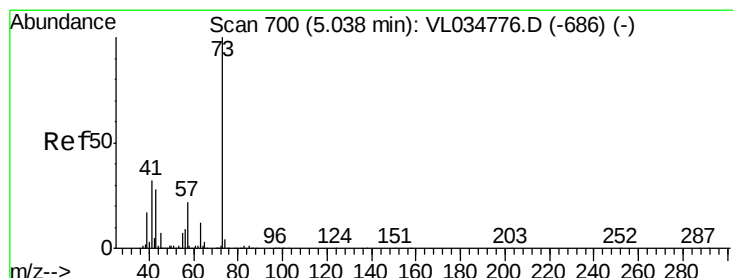
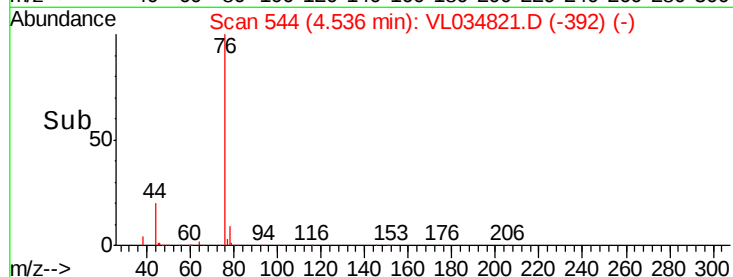
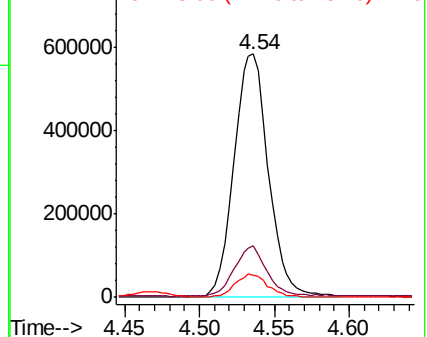
76 100

44 20.2 16.1 24.1

78 9.4 7.5 11.3



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: 11.271 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.01 min

Lab File: VL034821.D

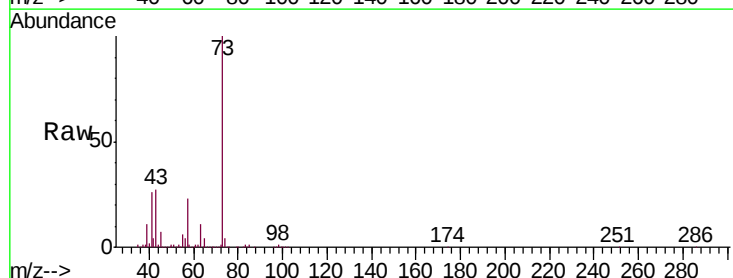
Acq: 6 Mar 2020 19:12

Tgt Ion: 73 Resp: 1283092

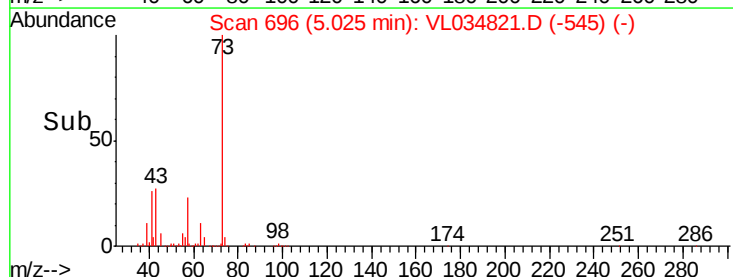
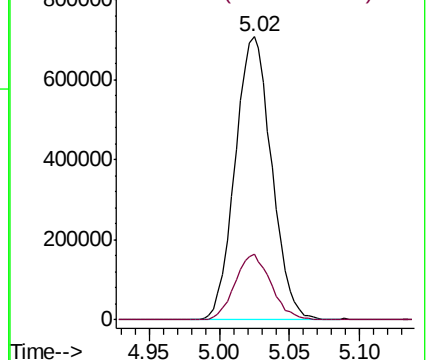
Ion Ratio Lower Upper

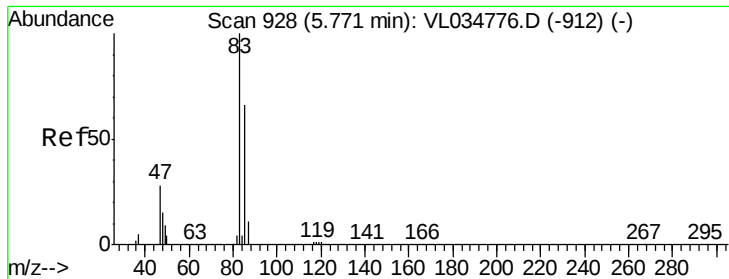
73 100

57 22.9 18.5 27.7



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





#29

Chloroform

Concen: 8.524 ppbv

RT: 5.75 min Scan# 923

Delta R.T. -0.02 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Instrument :

MSVOA_L

ClientSampleId :

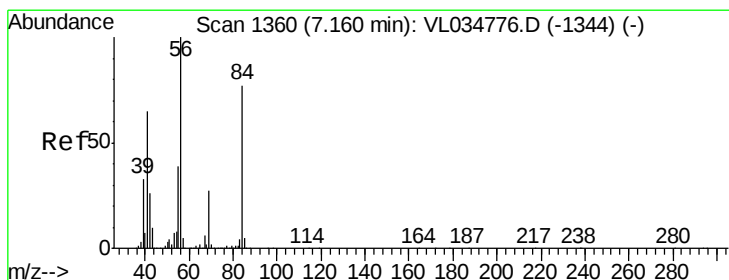
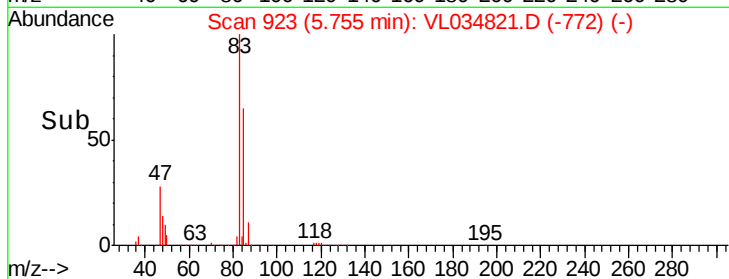
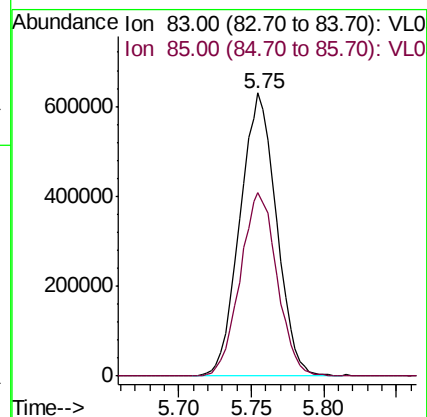
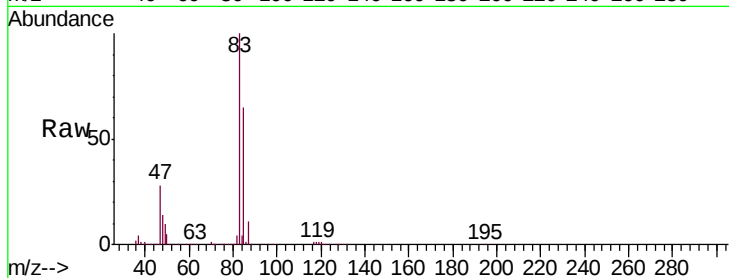
VL0306ABS01

Tgt Ion: 83 Resp: 1097459

Ion Ratio Lower Upper

83 100

85 64.6 53.0 79.4



#30

Cyclohexane

Concen: 10.929 ppbv

RT: 7.14 min Scan# 1354

Delta R.T. -0.02 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

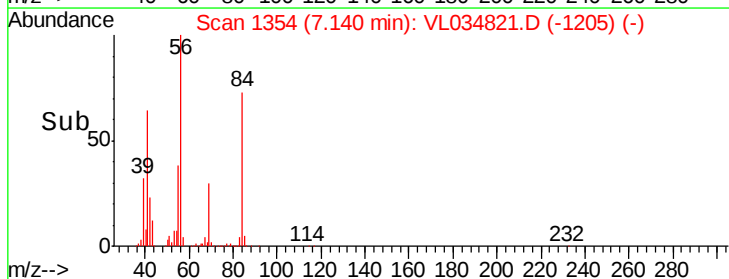
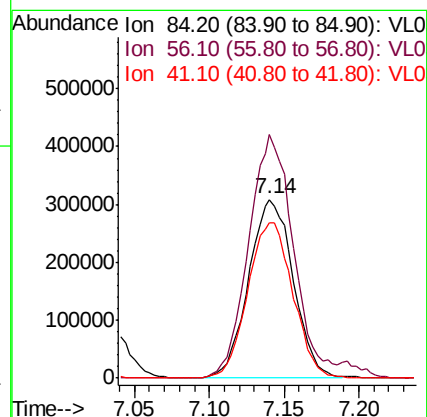
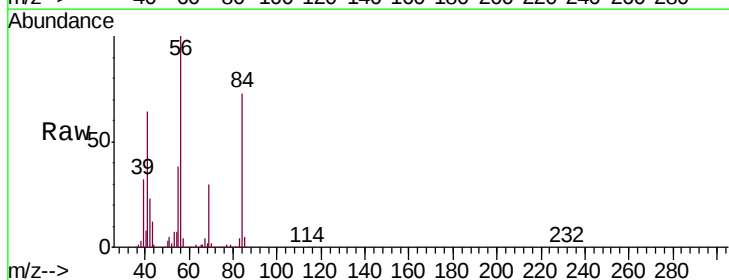
Tgt Ion: 84 Resp: 639483

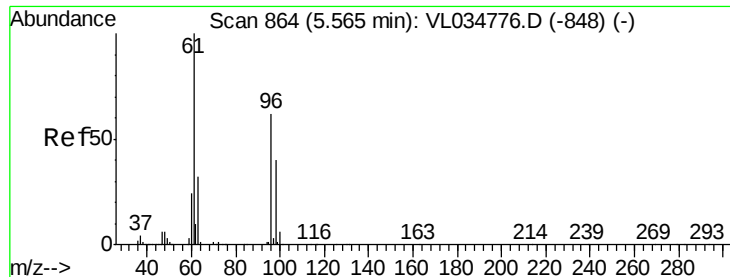
Ion Ratio Lower Upper

84 100

56 141.7 113.2 169.8

41 88.2 70.2 105.4



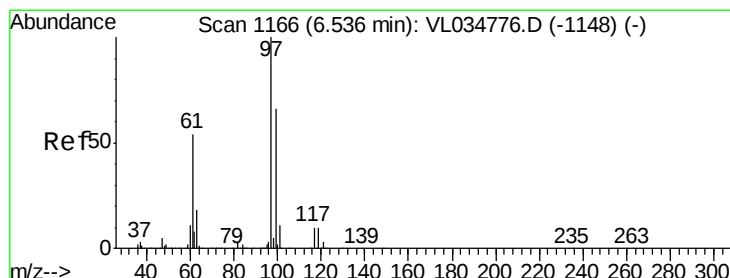
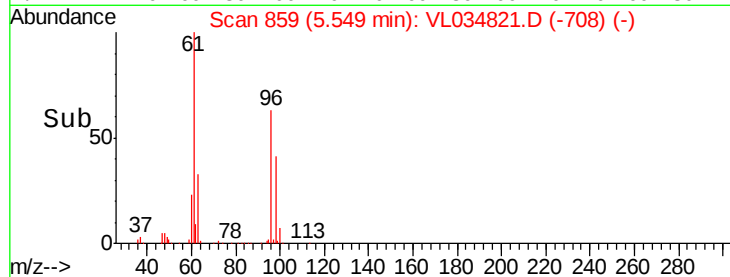
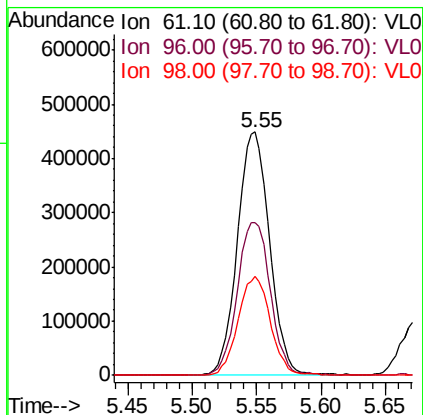
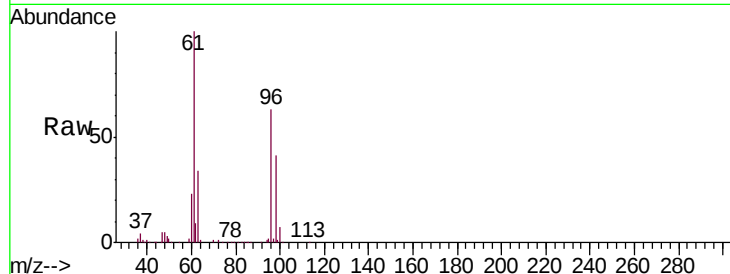


#31

cis-1,2-Dichloroethene
 Concen: 9.956 ppbv
 RT: 5.55 min Scan# 859
 Delta R.T. -0.02 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0306ABS01

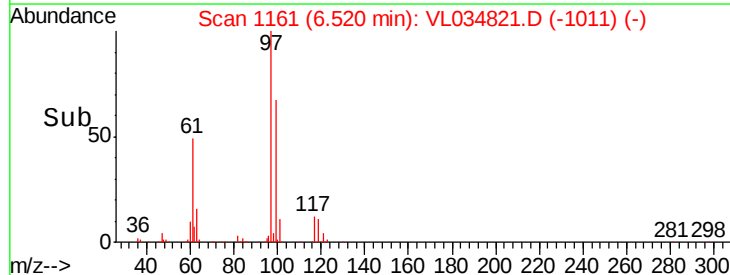
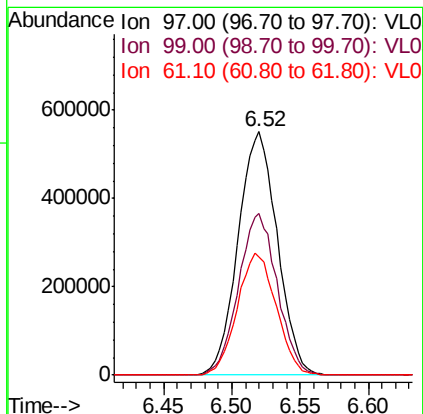
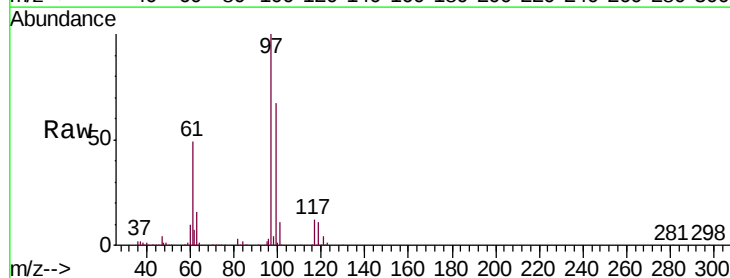
Tgt Ion:	61	Resp:	781080
Ion	Ratio	Lower	Upper
61	100		
96	62.9	49.7	74.5
98	40.7	31.9	47.9

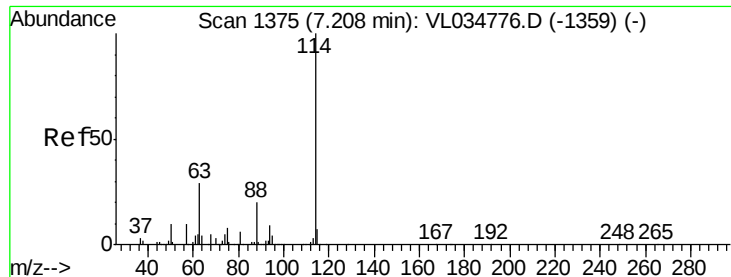


#32

1,1,1-Trichloroethane
 Concen: 8.659 ppbv
 RT: 6.52 min Scan# 1161
 Delta R.T. -0.02 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

Tgt Ion:	97	Resp:	1101618
Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.7	77.5
61	49.8	43.4	65.0

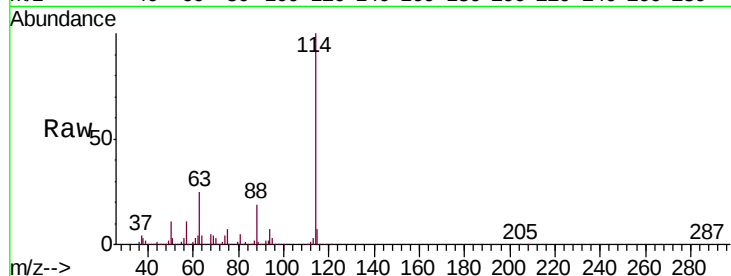




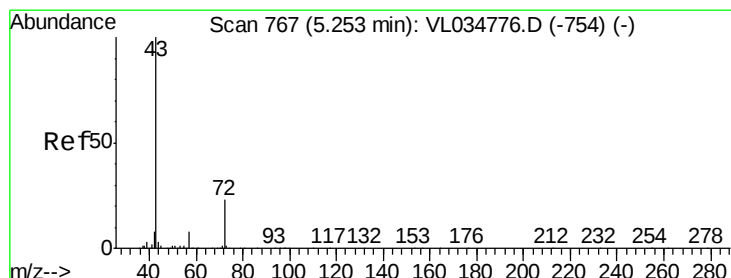
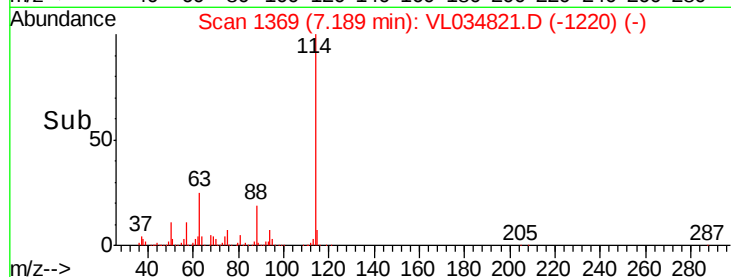
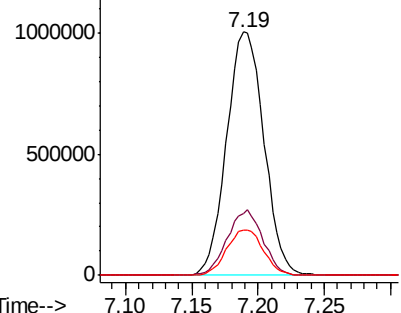
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. -0.02 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0306ABS01

Tgt Ion: 114 Resp: 1963316
 Ion Ratio Lower Upper
 114 100
 63 26.1 23.6 35.4
 88 18.5 15.8 23.8

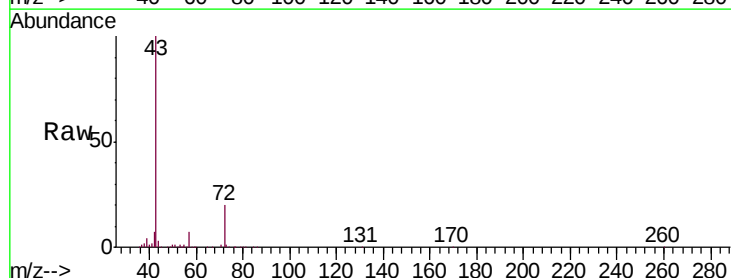


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

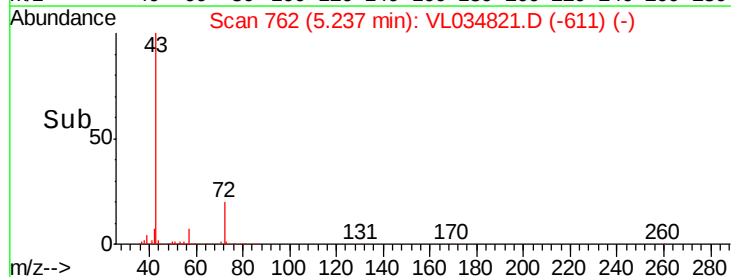
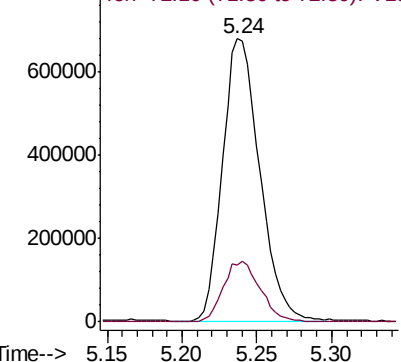


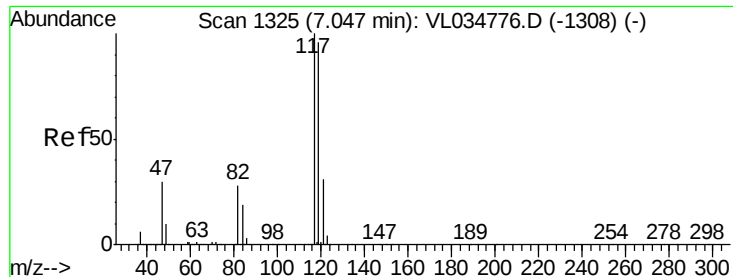
#34
 2-Butanone
 Concen: 9.165 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.02 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

Tgt Ion: 43 Resp: 1170599
 Ion Ratio Lower Upper
 43 100
 72 21.5 17.5 26.3



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

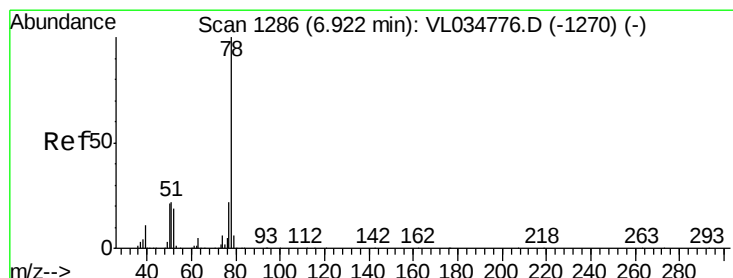
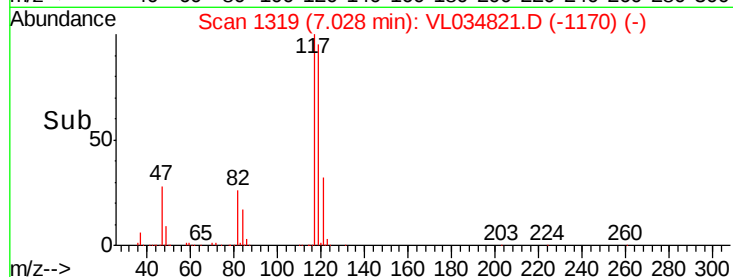
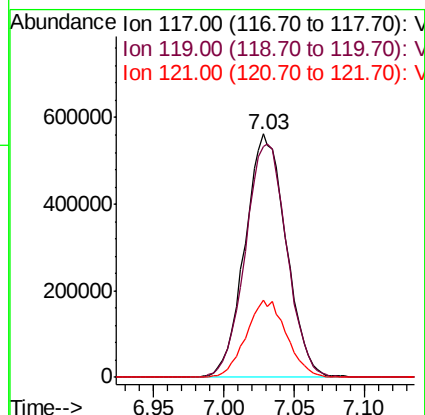
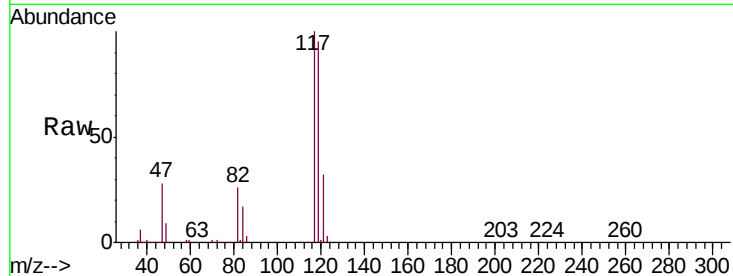




#35
Carbon Tetrachloride
Concen: 7.745 ppbv
RT: 7.03 min Scan# 1319
Delta R.T. -0.02 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

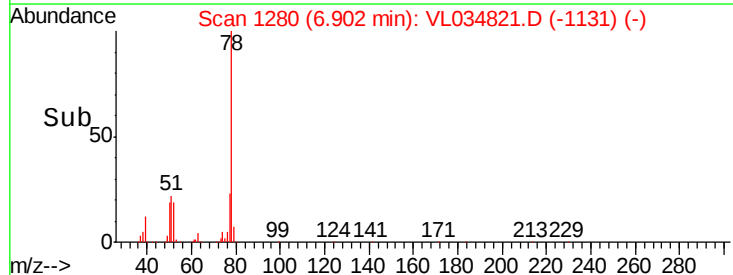
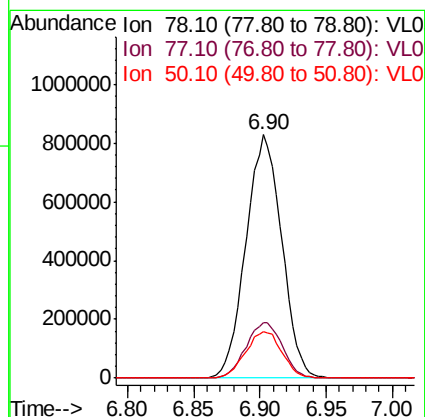
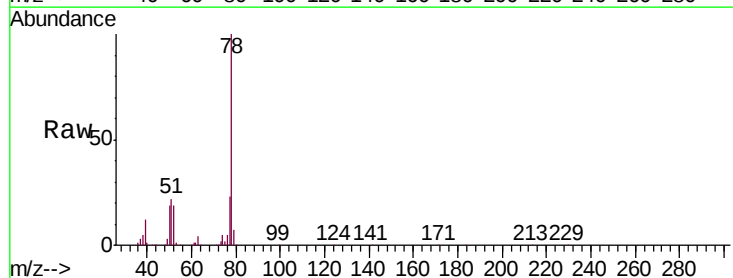
Instrument :
MSVOA_L
ClientSampleId :
VL0306ABS01

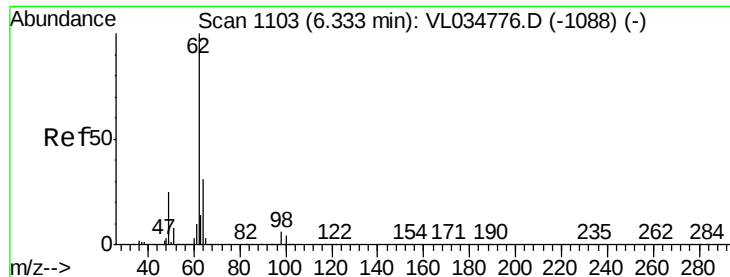
Tgt Ion: 117 Resp: 1147439
Ion Ratio Lower Upper
117 100
119 94.6 76.8 115.2
121 31.8 24.6 37.0



#36
Benzene
Concen: 9.288 ppbv
RT: 6.90 min Scan# 1280
Delta R.T. -0.02 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Tgt Ion: 78 Resp: 1558171
Ion Ratio Lower Upper
78 100
77 22.5 18.0 27.0
50 19.0 16.9 25.3

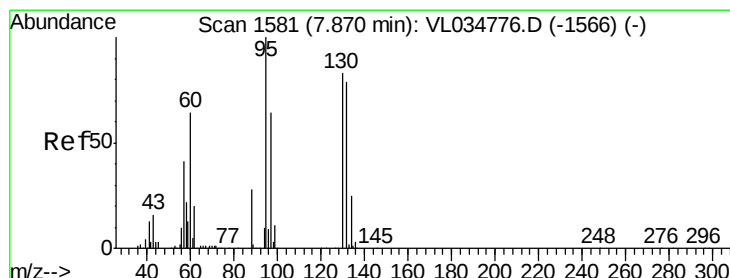
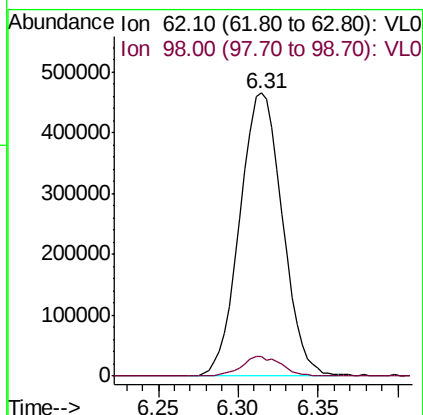
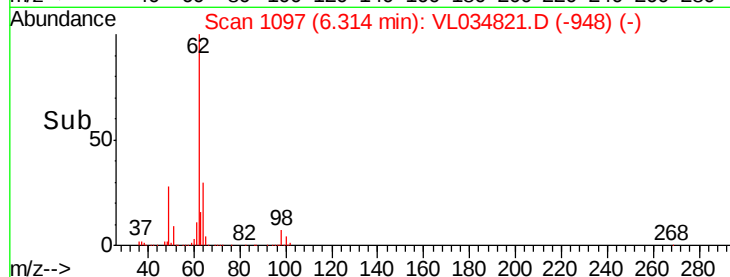
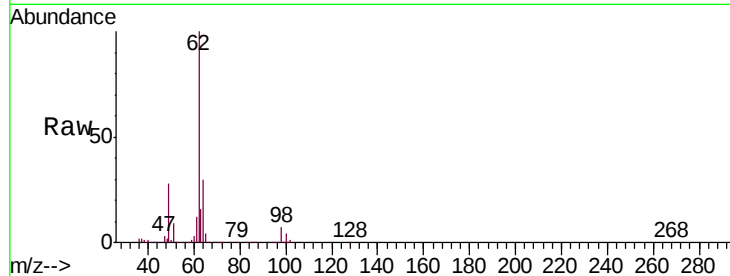




#37
 1,2-Dichloroethane
 Concen: 7.382 ppbv
 RT: 6.31 min Scan# 1097
 Delta R.T. -0.02 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

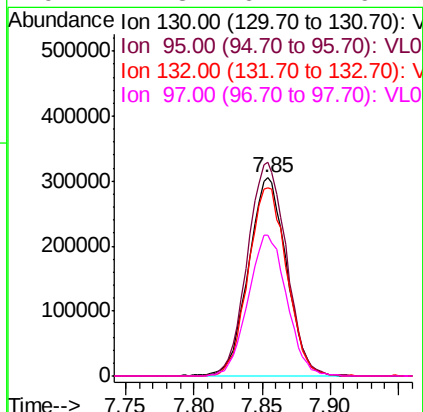
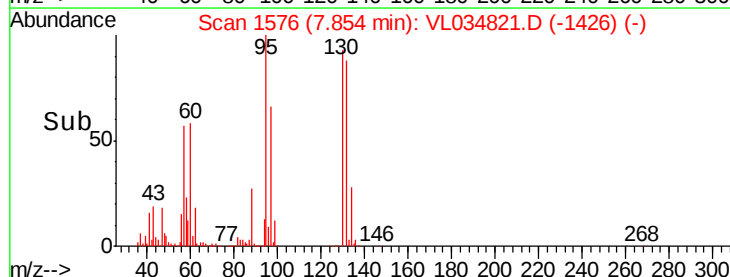
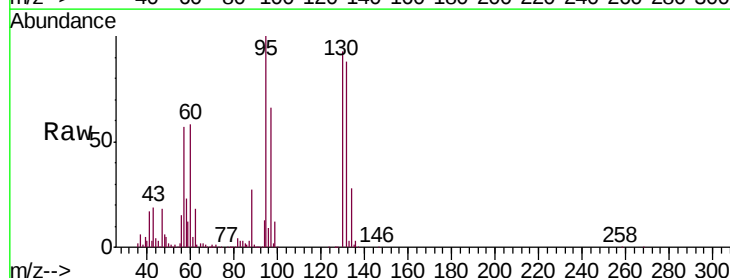
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0306ABS01

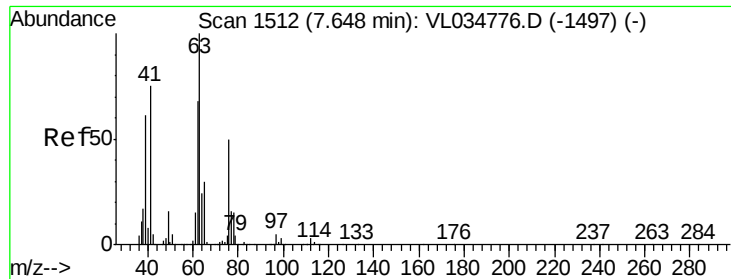
Tgt Ion: 62 Resp: 845974
 Ion Ratio Lower Upper
 62 100
 98 6.6 4.4 6.6#



#38
 Trichloroethene
 Concen: 9.061 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. -0.02 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

Tgt Ion: 130 Resp: 592503
 Ion Ratio Lower Upper
 130 100
 95 107.9 95.8 143.8
 132 94.7 76.1 114.1
 97 71.3 61.1 91.7

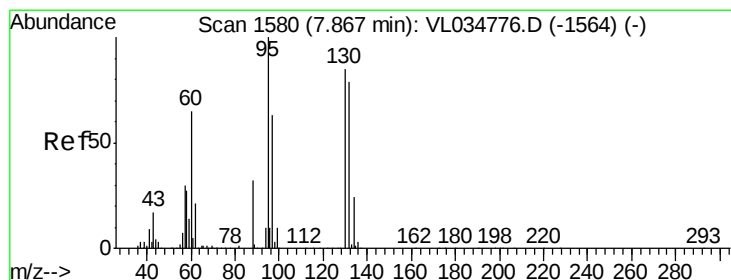
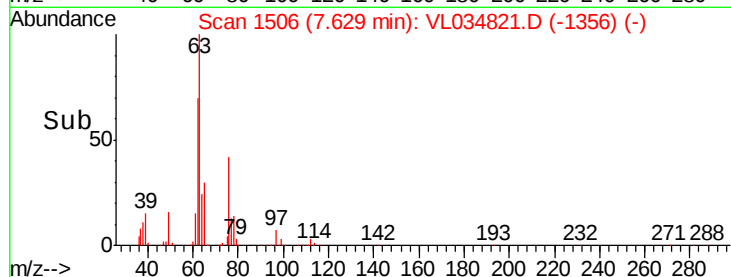
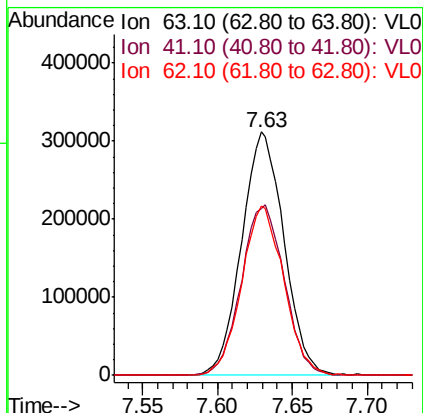
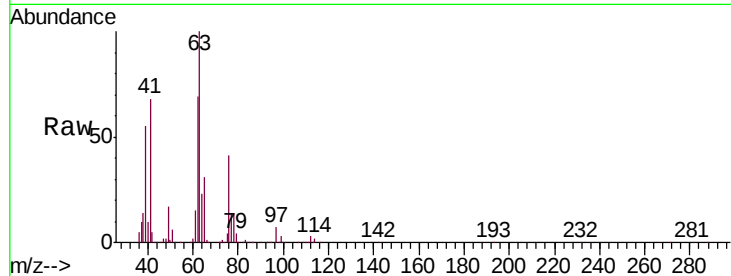




#39
 1,2-Dichloropropane
 Concen: 9.059 ppbv
 RT: 7.63 min Scan# 1506
 Delta R.T. -0.02 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

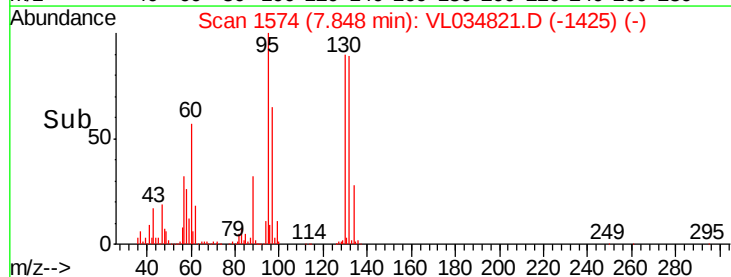
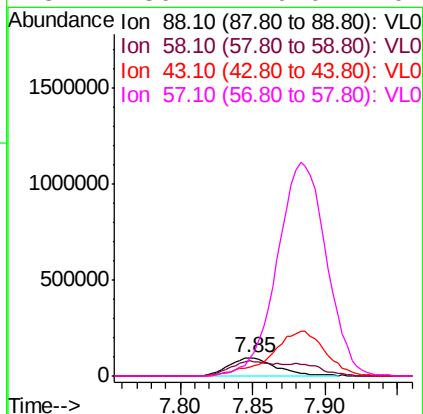
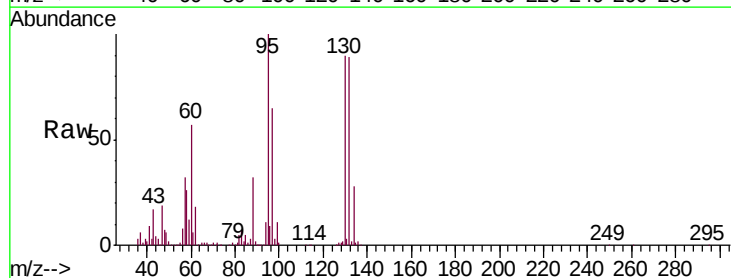
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0306ABS01

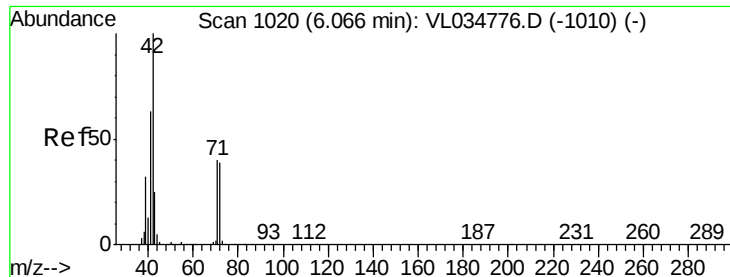
Tgt Ion	Ratio	Lower	Upper
63	100		
41	68.1	60.3	90.5
62	69.3	54.5	81.7



#40
 1,4-Dioxane
 Concen: 9.158 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. -0.02 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

Tgt Ion	Ratio	Lower	Upper
88	100		
58	131.6	110.6	166.0
43	279.6	0.0	0.0#
57	1230.2	0.0	0.0#





#41

Tetrahydrofuran

Concen: 10.418 ppbv

RT: 6.05 min Scan# 1015

Delta R.T. -0.02 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Instrument :

MSVOA_L

ClientSampleId :

VL0306ABS01

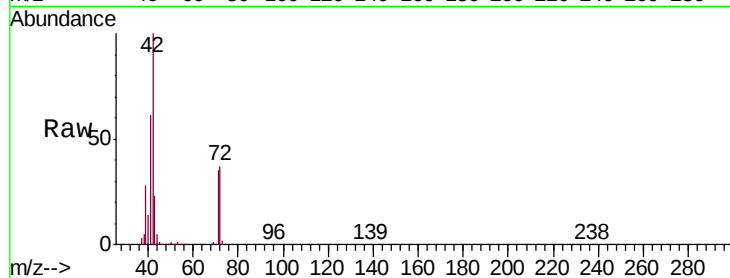
Tgt Ion: 42 Resp: 678954

Ion Ratio Lower Upper

42 100

72 38.2 32.0 48.0

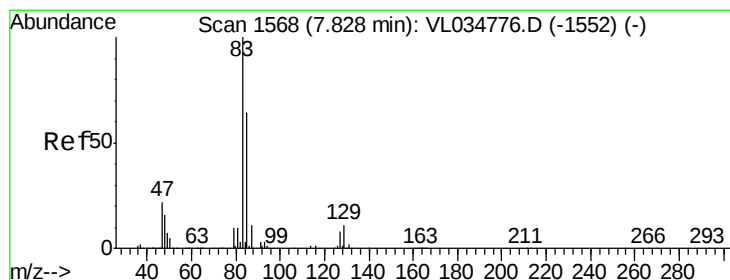
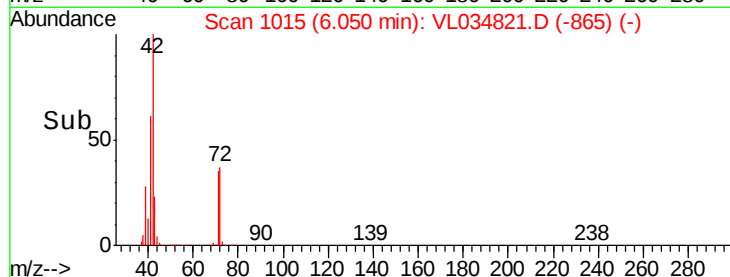
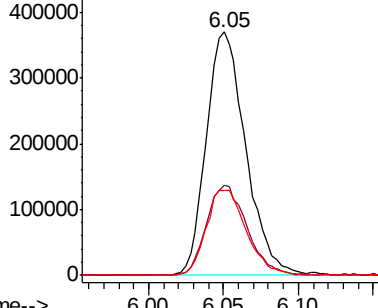
71 36.0 31.3 46.9



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: 8.324 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. -0.02 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

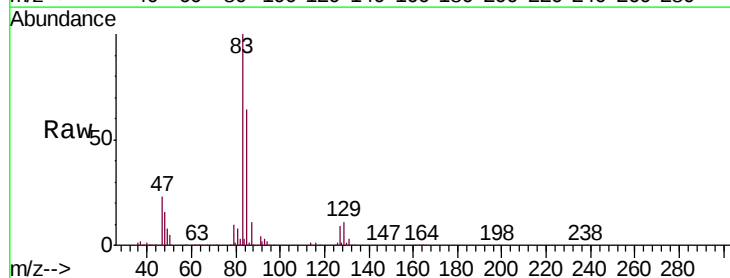
Tgt Ion: 83 Resp: 1206955

Ion Ratio Lower Upper

83 100

85 63.7 50.8 76.2

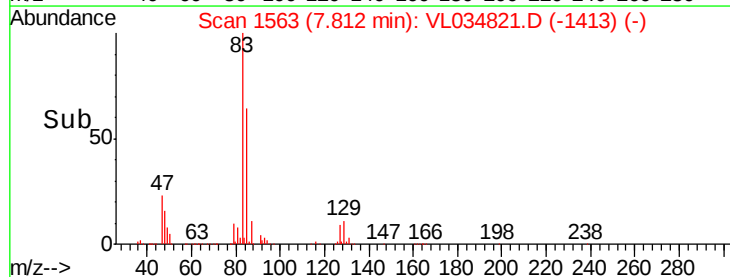
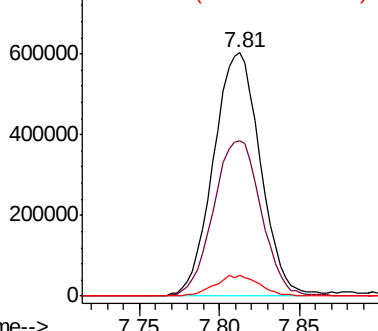
127 8.6 6.5 9.7

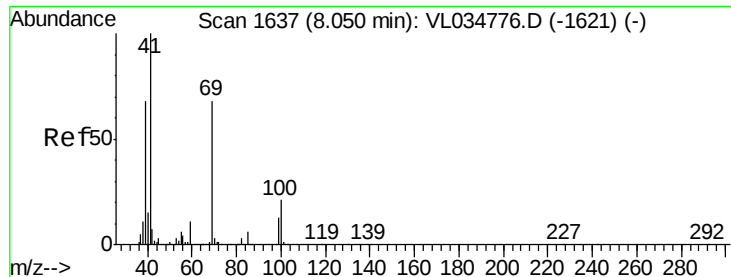


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

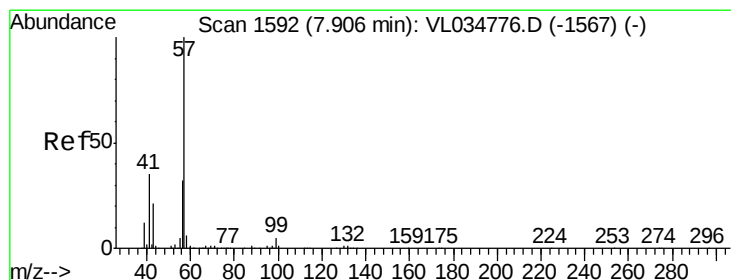
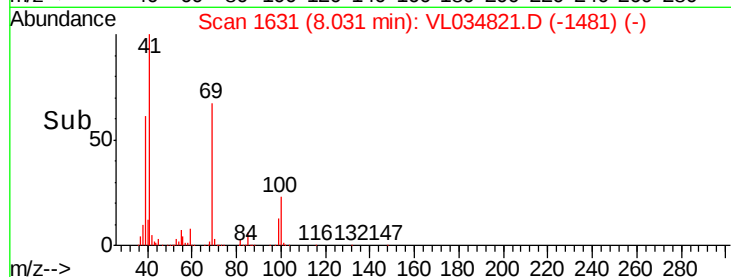
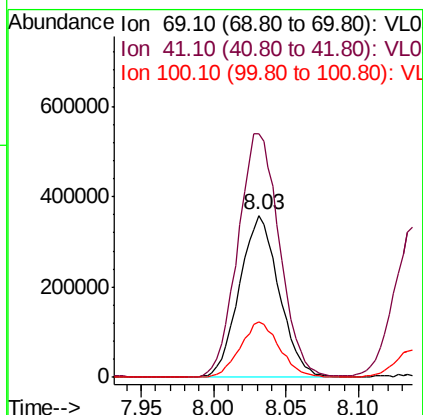
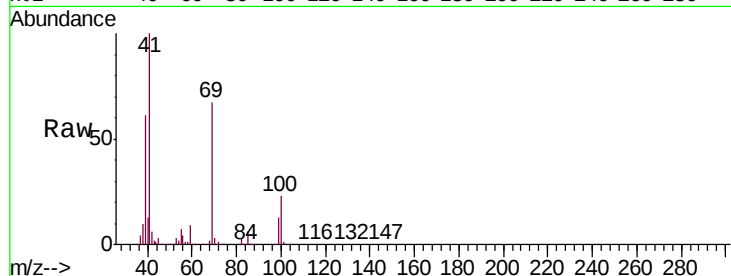




#43
Methyl Methacrylate
Concen: 9.630 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. -0.02 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

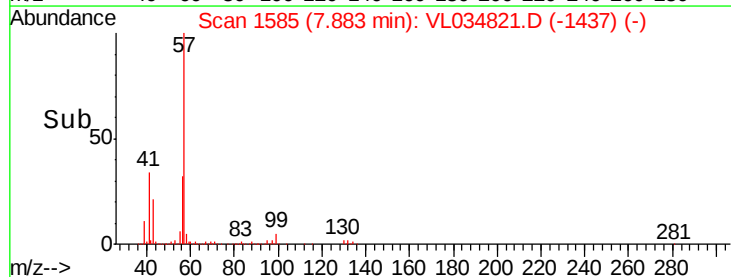
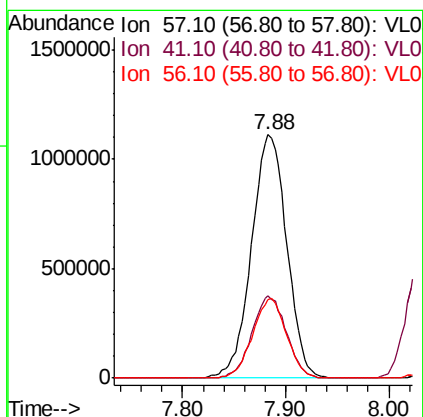
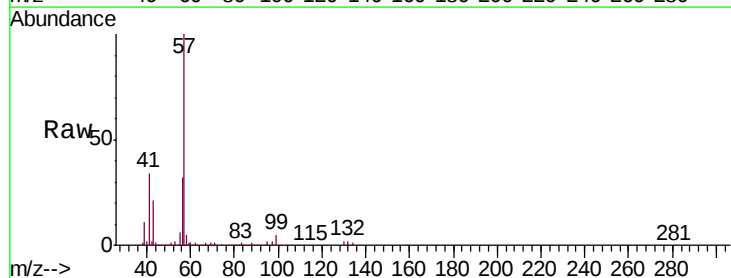
Instrument :
MSVOA_L
ClientSampleId :
VL0306ABS01

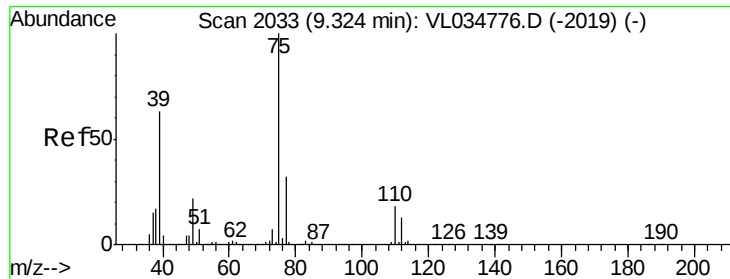
Tgt Ion: 69 Resp: 684634
Ion Ratio Lower Upper
69 100
41 157.1 121.6 182.4
100 33.8 23.8 35.8



#44
2,2,4-Trimethylpentane
Concen: 8.993 ppbv
RT: 7.88 min Scan# 1585
Delta R.T. -0.02 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Tgt Ion: 57 Resp: 2636481
Ion Ratio Lower Upper
57 100
41 32.9 27.4 41.0
56 31.4 25.0 37.6





#45

t-1,3-Dichloropropene

Concen: 11.668 ppbv

RT: 9.30 min Scan# 2027

Delta R.T. -0.02 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Instrument :

MSVOA_L

ClientSampleId :

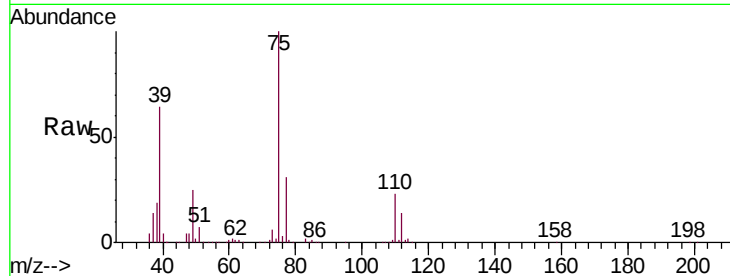
VL0306ABS01

Tgt Ion: 75 Resp: 870789

Ion Ratio Lower Upper

75 100

77 30.8 25.6 38.4



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.30

400000

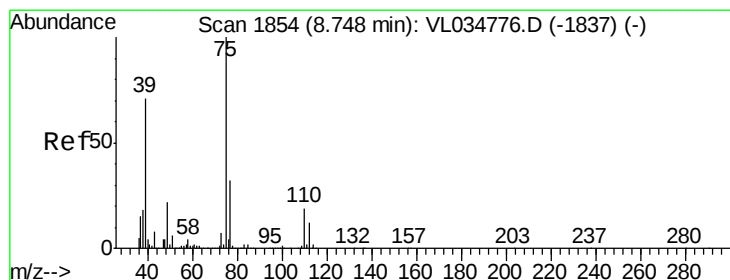
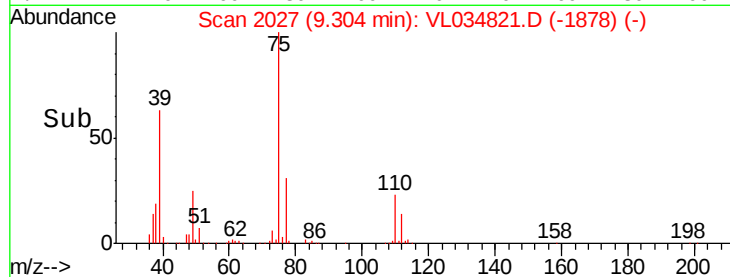
300000

200000

100000

0

Time--> 9.20 9.25 9.30 9.35



#46

cis-1,3-Dichloropropene

Concen: 10.836 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. -0.02 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

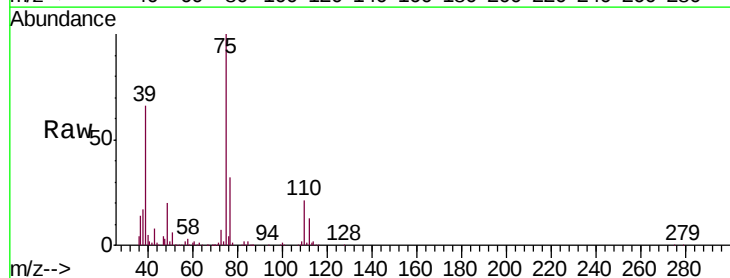
Tgt Ion: 75 Resp: 987485

Ion Ratio Lower Upper

75 100

39 65.9 56.9 85.3

77 31.9 25.7 38.5



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

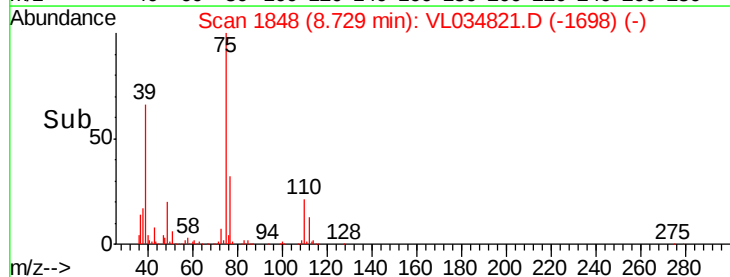
600000

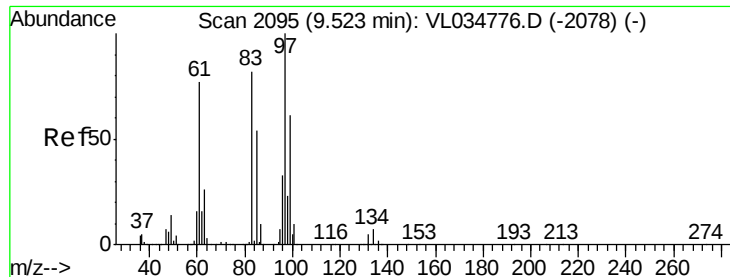
400000

200000

0

Time--> 8.65 8.70 8.75 8.80

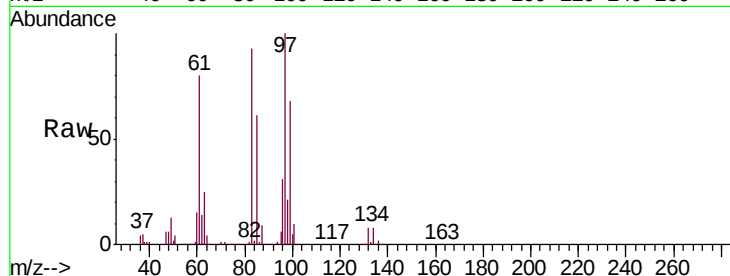




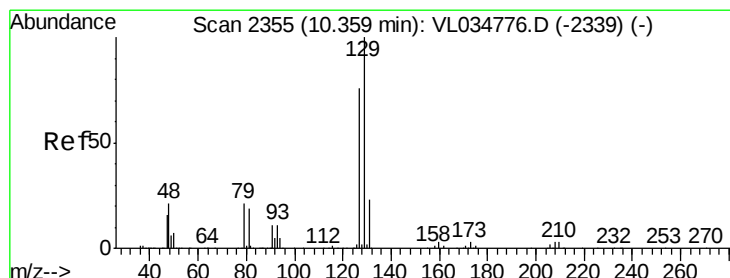
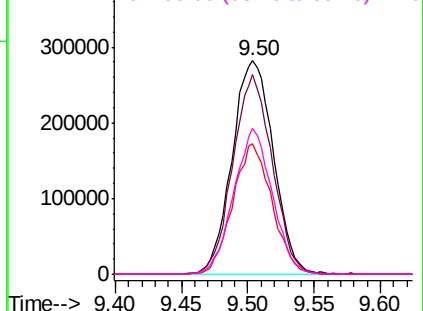
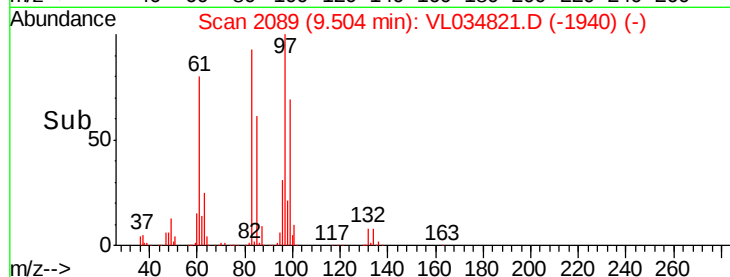
#47
 1,1,2-Trichloroethane
 Concen: 8.537 ppbv
 RT: 9.50 min Scan# 2089
 Delta R.T. -0.02 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0306ABS01

Tgt Ion: 97 Resp: 610220
 Ion Ratio Lower Upper
 97 100
 83 93.2 65.2 97.8
 85 61.0 43.6 65.4
 99 68.4 48.9 73.3

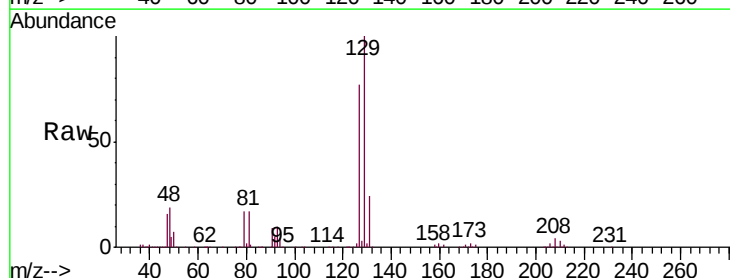


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

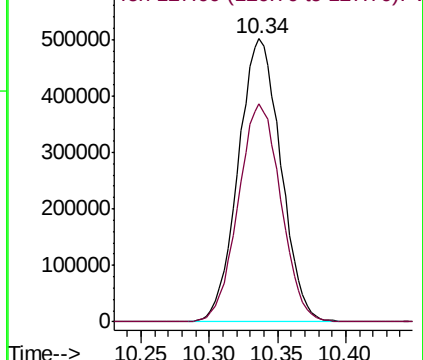
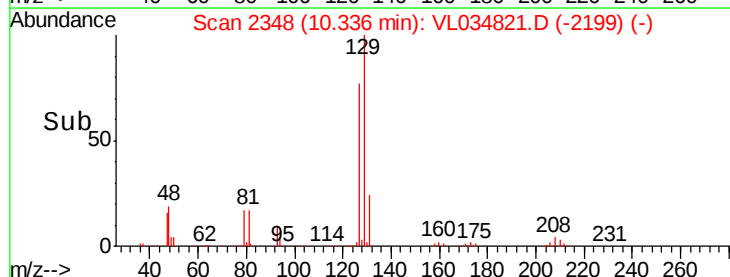


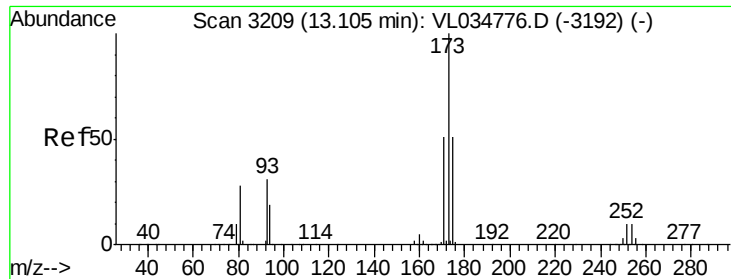
#48
 Dibromochloromethane
 Concen: 9.706 ppbv
 RT: 10.34 min Scan# 2348
 Delta R.T. -0.02 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

Tgt Ion: 129 Resp: 1084849
 Ion Ratio Lower Upper
 129 100
 127 77.1 39.0 117.0



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.859 ppbv

RT: 13.08 min Scan# 3202

Delta R.T. -0.02 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Instrument :

MSVOA_L

ClientSampleId :

VL0306ABS01

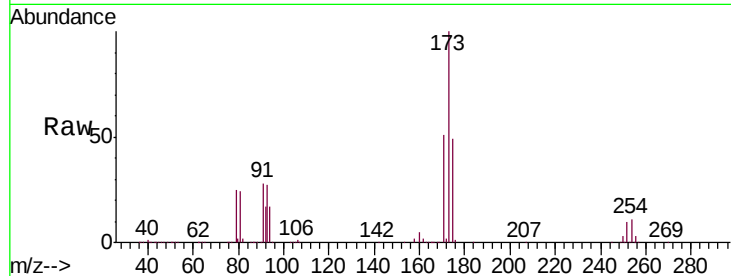
Tgt Ion: 173 Resp: 961637

Ion Ratio Lower Upper

173 100

175 49.8 39.8 59.6

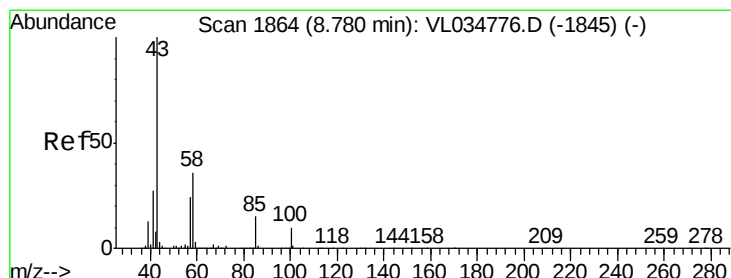
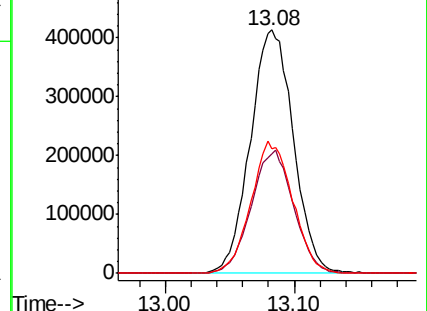
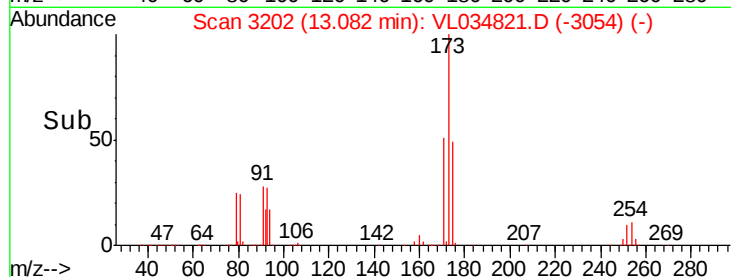
171 52.6 41.0 61.4



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: 9.391 ppbv

RT: 8.76 min Scan# 1858

Delta R.T. -0.02 min

Lab File: VL034821.D

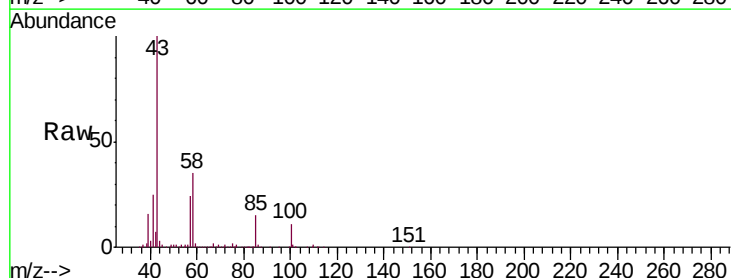
Acq: 6 Mar 2020 19:12

Tgt Ion: 43 Resp: 1718646

Ion Ratio Lower Upper

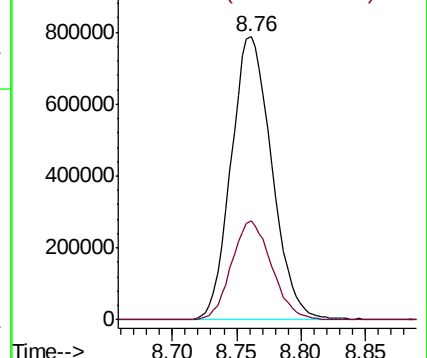
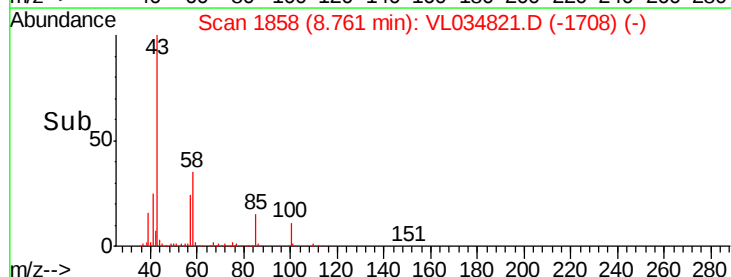
43 100

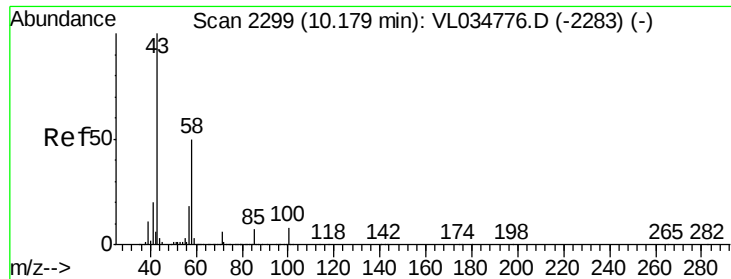
58 34.8 28.7 43.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

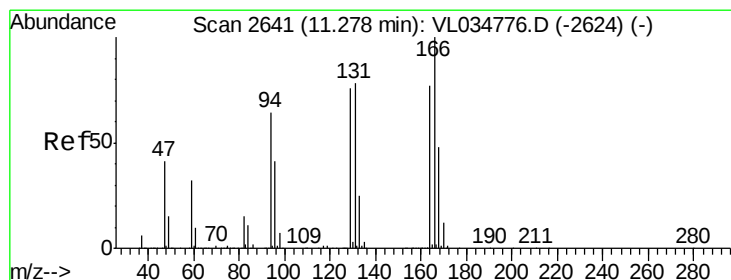
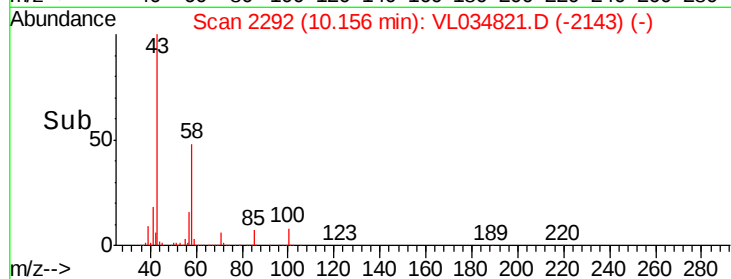
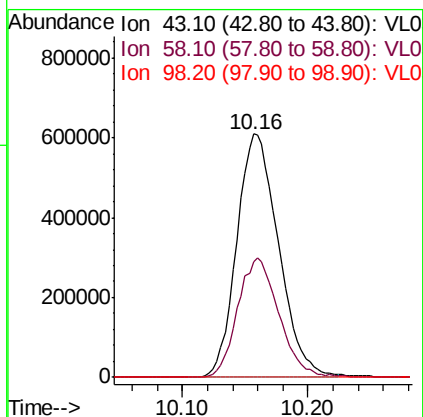
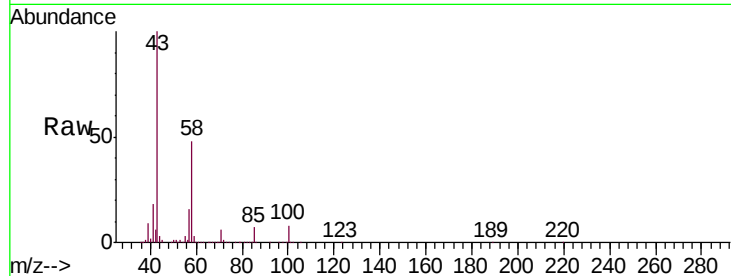




#51
2-Hexanone
Concen: 9.825 ppbv
RT: 10.16 min Scan# 2292
Delta R.T. -0.02 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

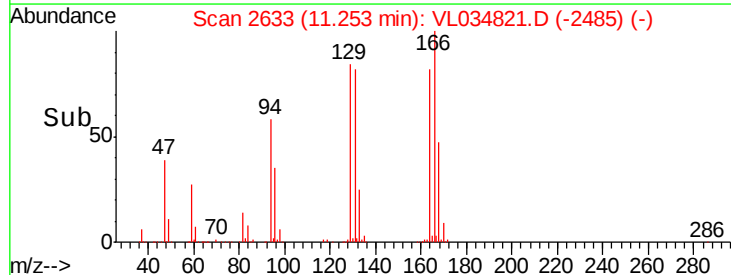
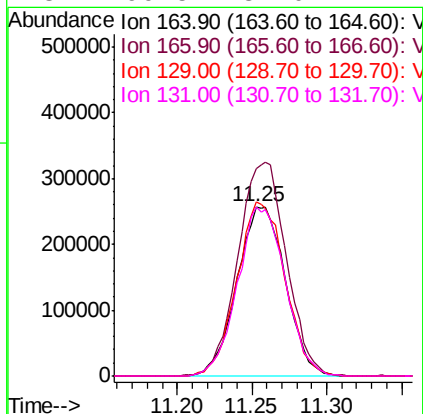
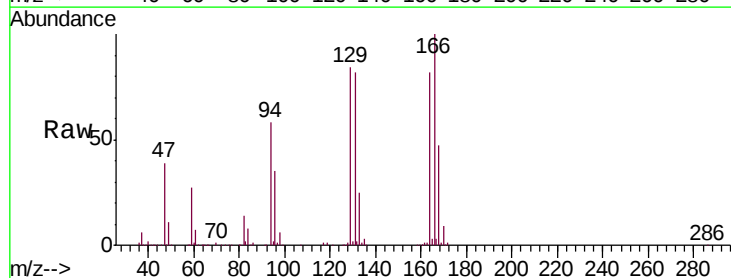
Instrument :
MSVOA_L
ClientSampleId :
VL0306ABS01

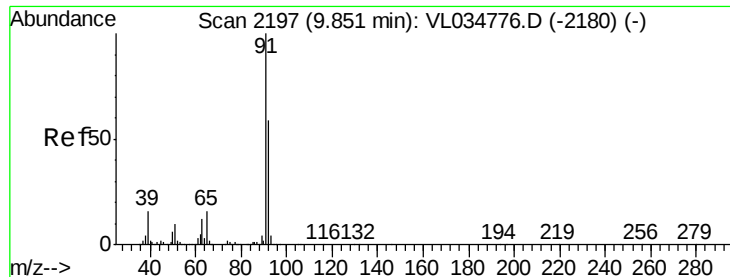
Tgt Ion: 43 Resp: 1410511
Ion Ratio Lower Upper
43 100
58 48.7 38.6 58.0
98 0.0 0.2 0.4#



#52
Tetrachloroethene
Concen: 9.340 ppbv
RT: 11.25 min Scan# 2633
Delta R.T. -0.03 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Tgt Ion: 164 Resp: 578926
Ion Ratio Lower Upper
164 100
166 121.9 103.3 154.9
129 102.4 79.0 118.4
131 99.5 81.0 121.4





#53

Toluene

Concen: 10.083 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. -0.02 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Instrument :

MSVOA_L

ClientSampleId :

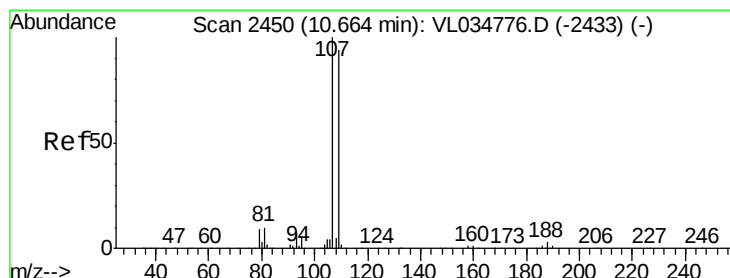
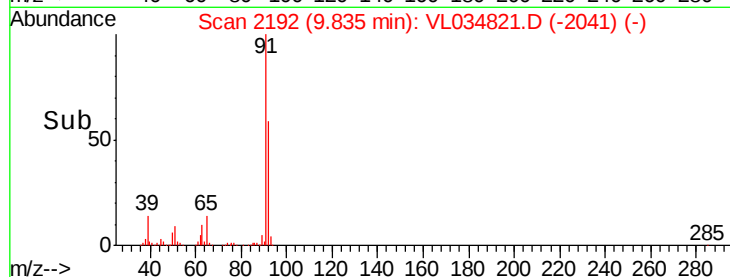
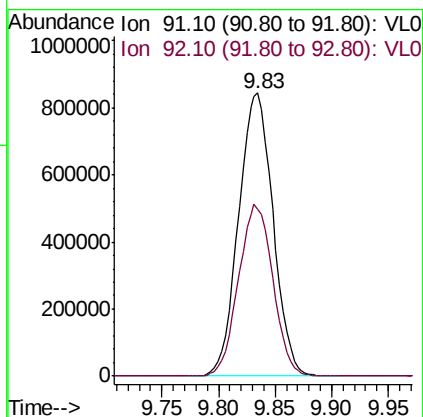
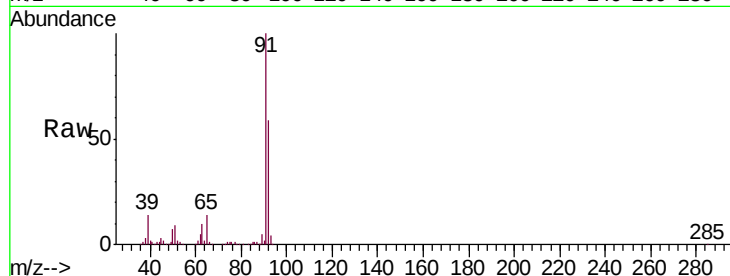
VL0306ABS01

Tgt Ion: 91 Resp: 1790268

Ion Ratio Lower Upper

91 100

92 60.5 48.2 72.2



#54

1,2-Dibromoethane

Concen: 8.876 ppbv

RT: 10.65 min Scan# 2444

Delta R.T. -0.02 min

Lab File: VL034821.D

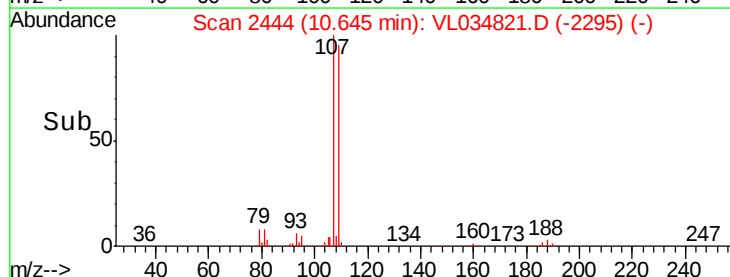
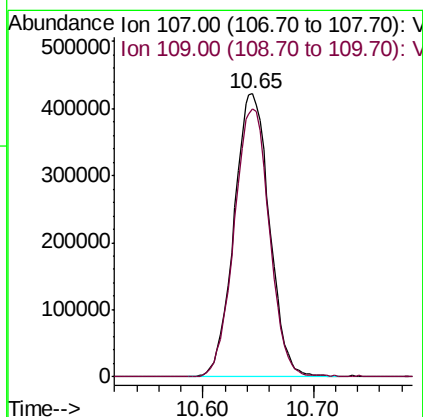
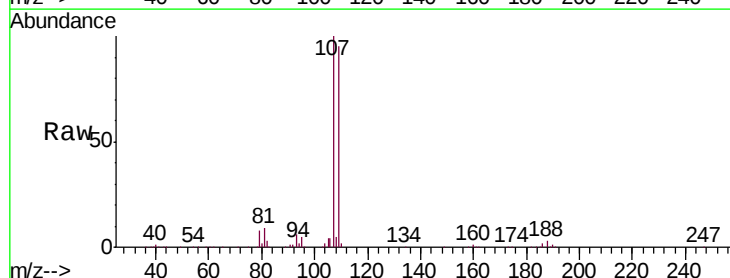
Acq: 6 Mar 2020 19:12

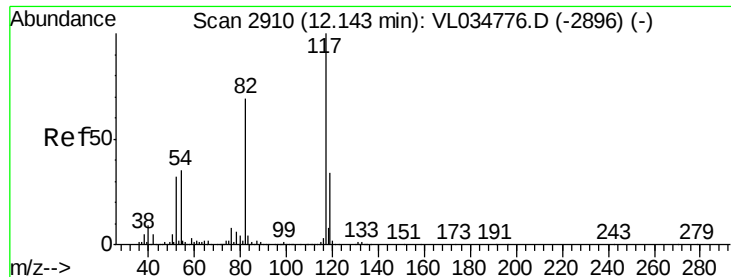
Tgt Ion: 107 Resp: 938158

Ion Ratio Lower Upper

107 100

109 94.8 75.0 112.6

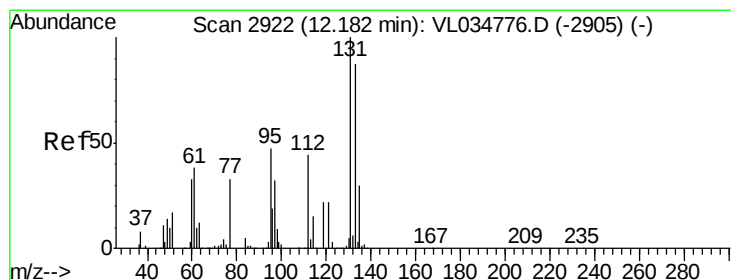
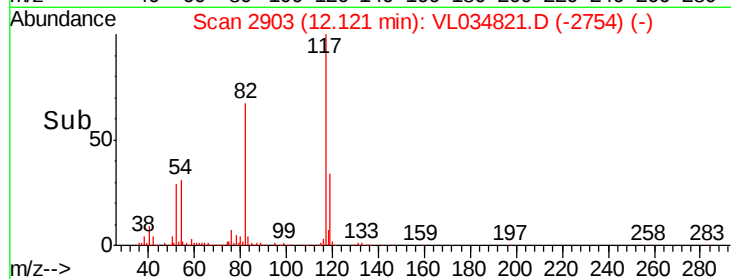
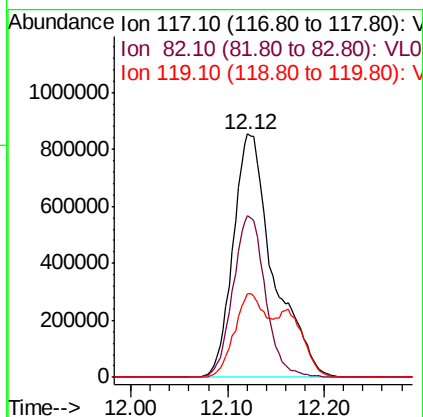
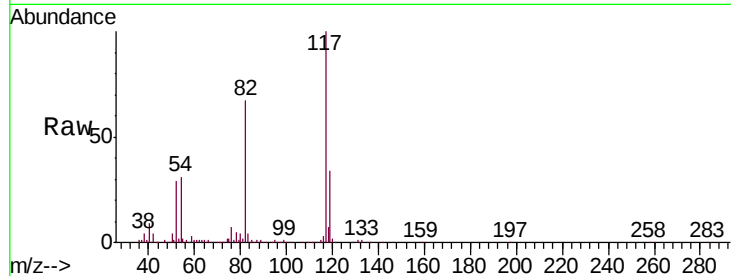




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. -0.02 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

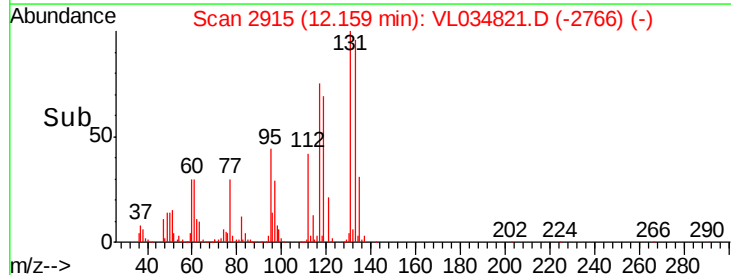
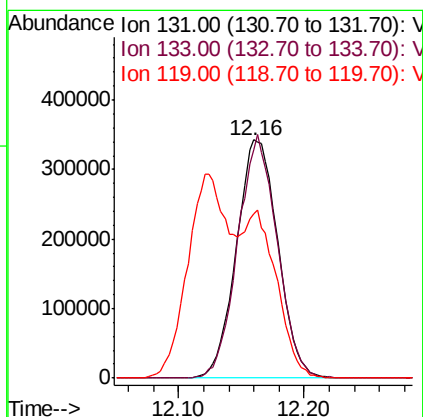
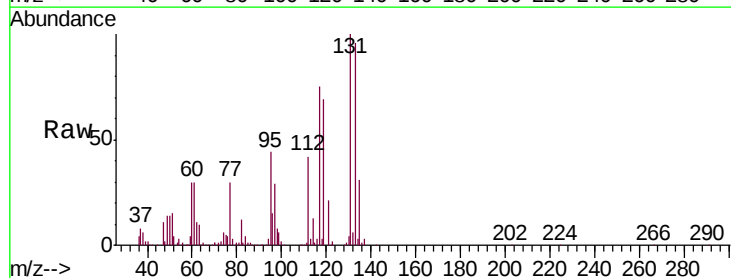
Instrument :
MSVOA_L
ClientSampleId :
VL0306ABS01

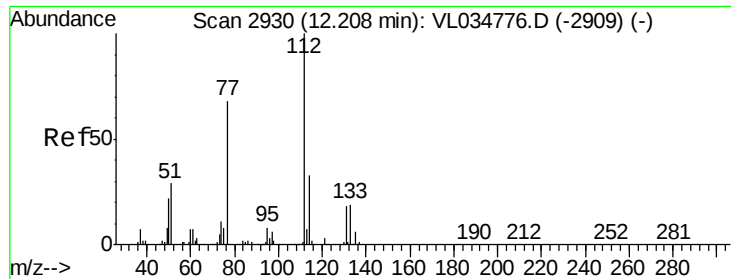
Tgt Ion:117 Resp: 2457248
Ion Ratio Lower Upper
117 100
82 53.9 53.9 80.9
119 46.7 25.0 37.4#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.224 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. -0.02 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Tgt Ion:131 Resp: 786498
Ion Ratio Lower Upper
131 100
133 97.2 75.4 113.0
119 145.9 110.5 165.7

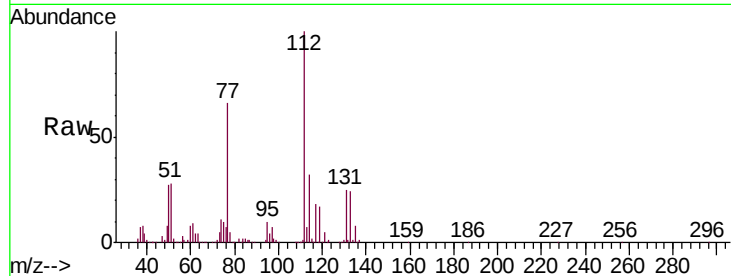




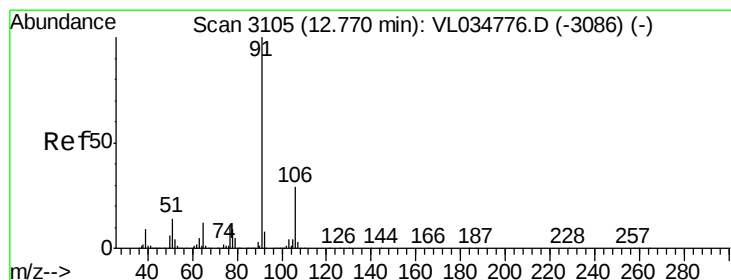
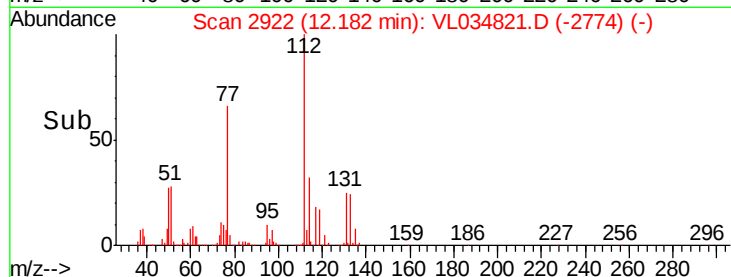
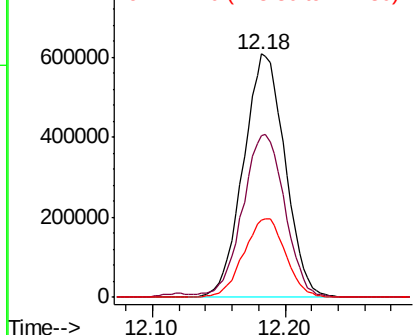
#57
Chlorobenzene
Concen: 7.040 ppbv
RT: 12.18 min Scan# 2922
Delta R.T. -0.03 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Instrument :
MSVOA_L
ClientSampleId :
VL0306ABS01

Tgt Ion: 112 Resp: 1321426
Ion Ratio Lower Upper
112 100
77 66.2 55.6 83.4
114 31.5 29.4 36.0

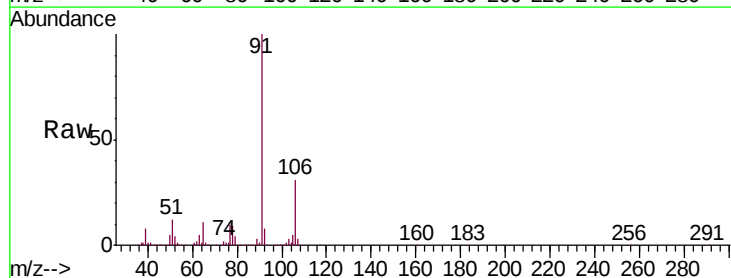


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

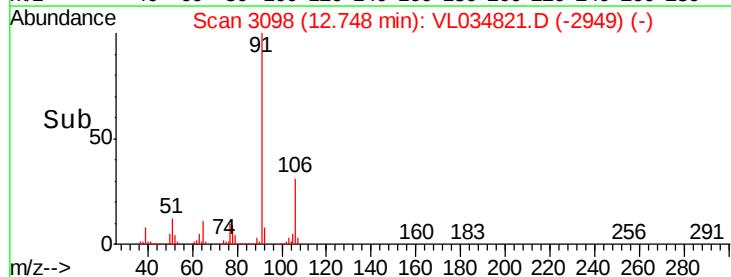
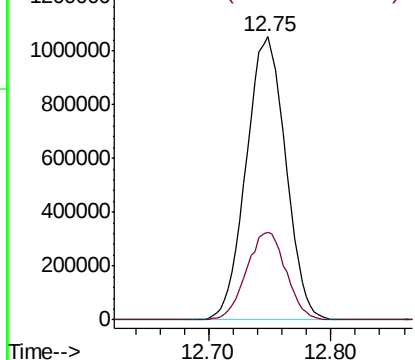


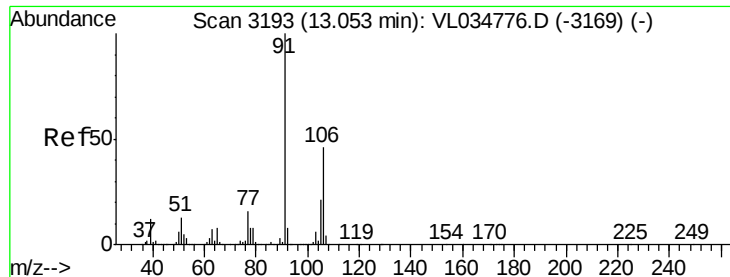
#58
Ethyl Benzene
Concen: 7.777 ppbv
RT: 12.75 min Scan# 3098
Delta R.T. -0.02 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Tgt Ion: 91 Resp: 2354911
Ion Ratio Lower Upper
91 100
106 30.8 22.8 34.2



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

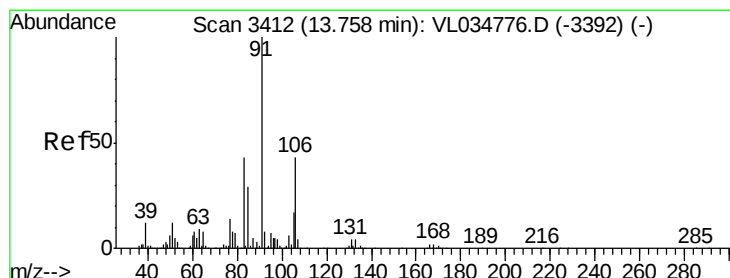
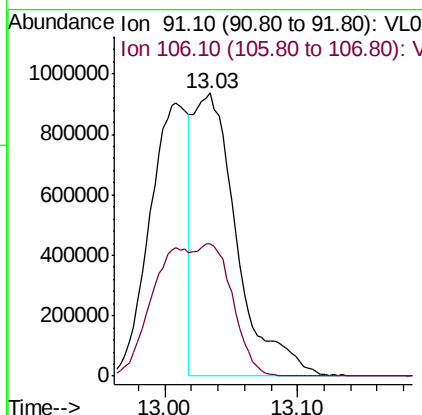
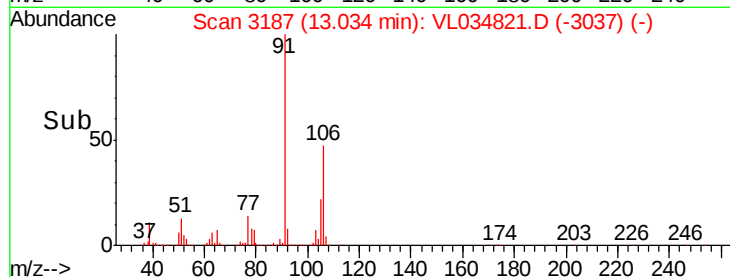
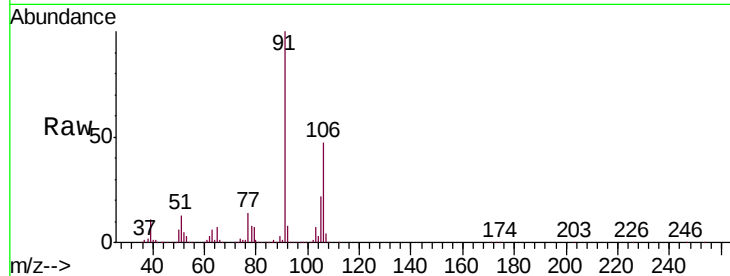




#59
m/p-Xylene
Concen: 8.067 ppbv
RT: 13.03 min Scan# 3187
Delta R.T. -0.02 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

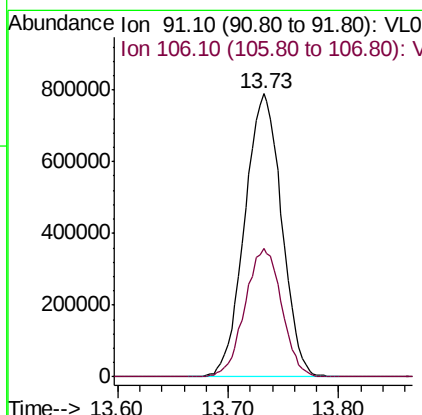
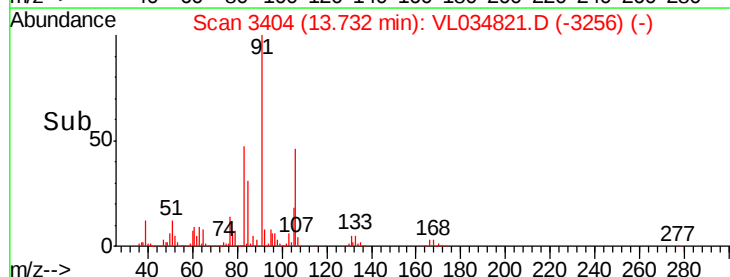
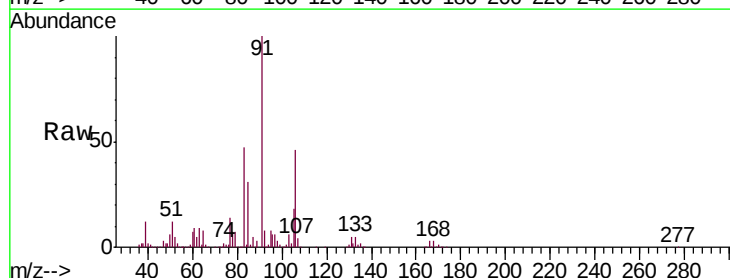
Instrument :
MSVOA_L
ClientSampleId :
VL0306ABS01

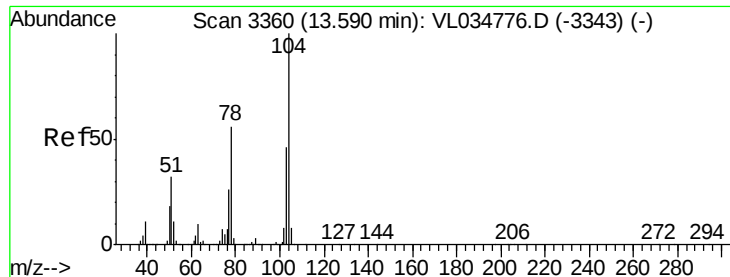
Tgt Ion: 91 Resp: 2114646
Ion Ratio Lower Upper
91 100
106 82.6 35.8 53.8#



#60
o-Xylene
Concen: 6.907 ppbv
RT: 13.73 min Scan# 3404
Delta R.T. -0.03 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Tgt Ion: 91 Resp: 1831896
Ion Ratio Lower Upper
91 100
106 45.0 21.7 65.1





#61

Styrene

Concen: 8.626 ppbv

RT: 13.57 min Scan# 3353

Delta R.T. -0.02 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Instrument :

MSVOA_L

ClientSampleId :

VL0306ABS01

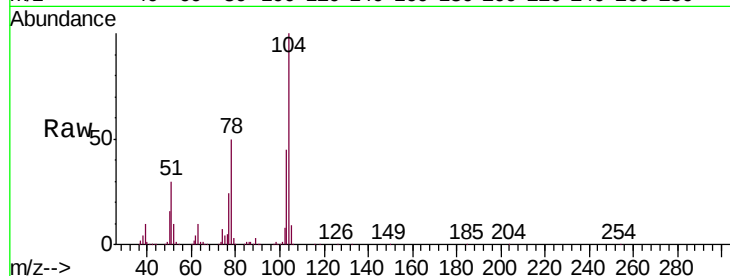
Tgt Ion:104 Resp: 1419239

Ion Ratio Lower Upper

104 100

78 51.7 44.7 67.1

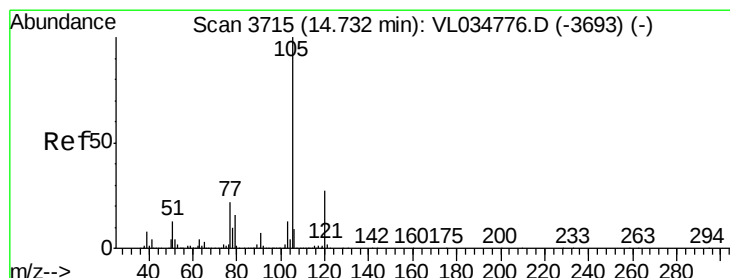
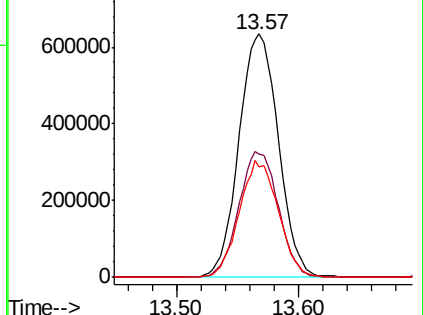
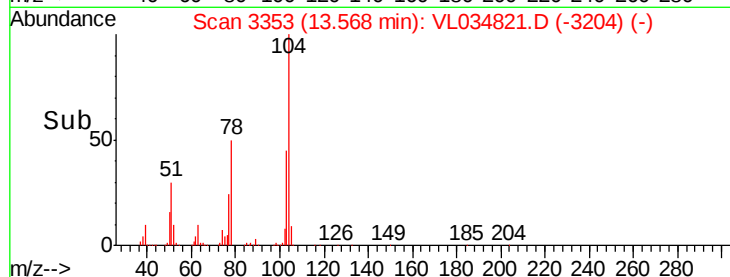
103 47.6 38.2 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.194 ppbv

RT: 14.71 min Scan# 3708

Delta R.T. -0.02 min

Lab File: VL034821.D

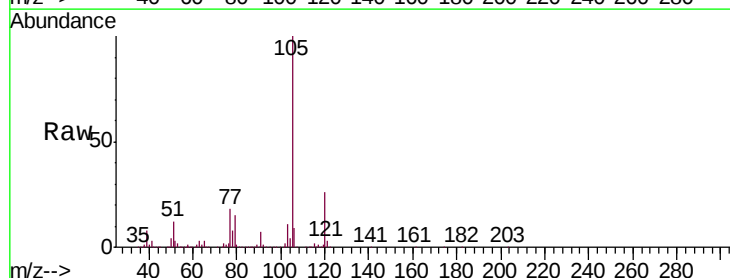
Acq: 6 Mar 2020 19:12

Tgt Ion:105 Resp: 2807967

Ion Ratio Lower Upper

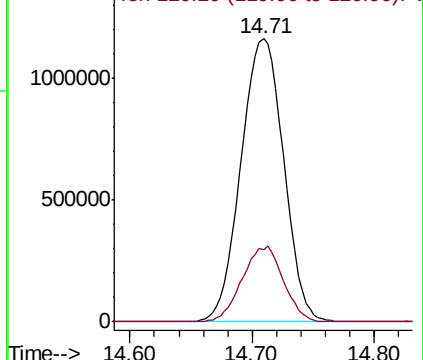
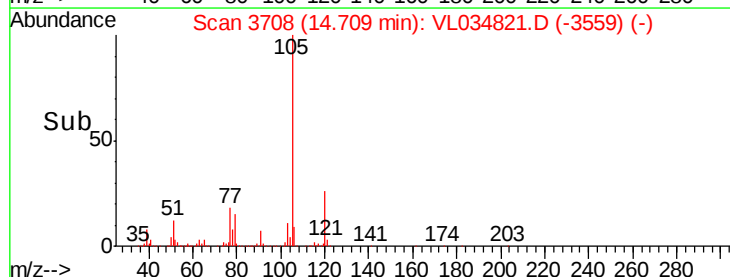
105 100

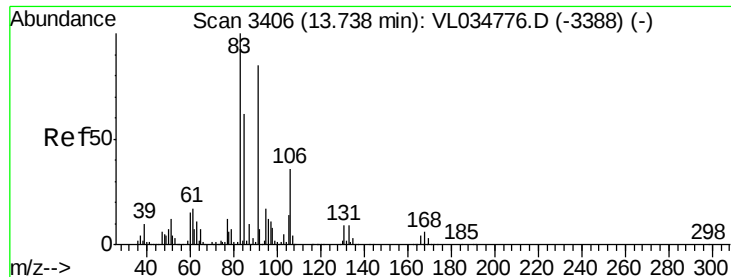
120 25.8 20.5 30.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

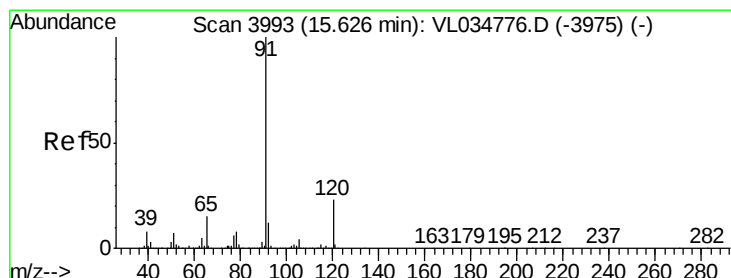
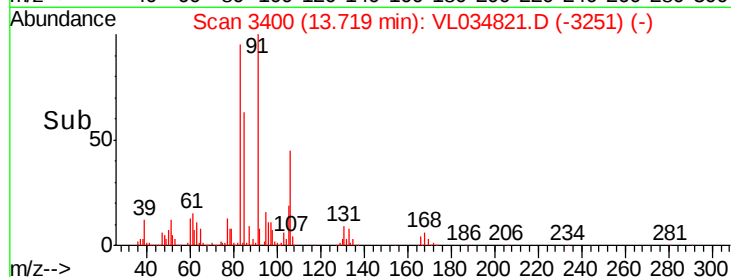
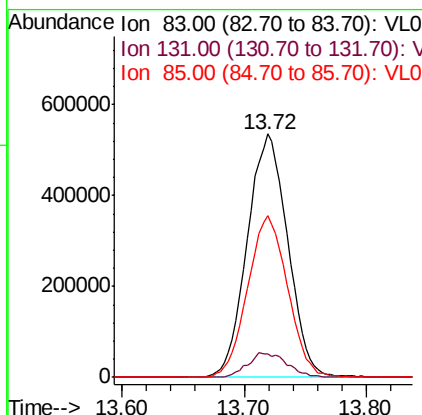
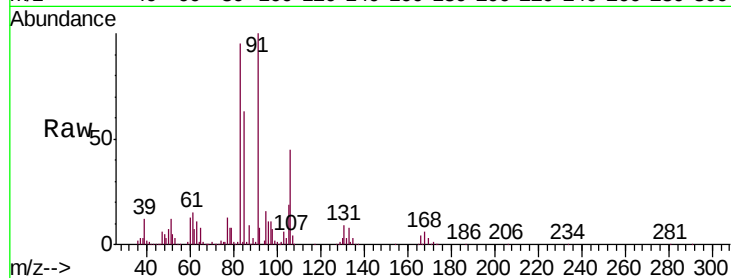




#63
 1,1,2,2-Tetrachloroethane
 Concen: 5.875 ppbv
 RT: 13.72 min Scan# 3400
 Delta R.T. -0.02 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

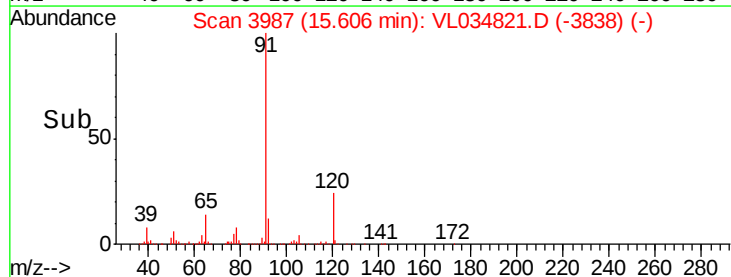
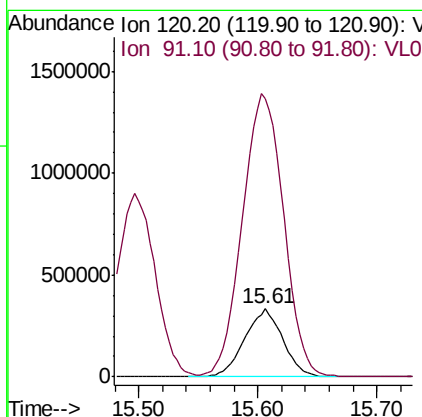
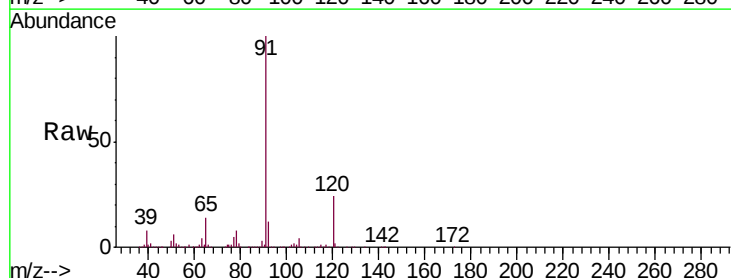
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0306ABS01

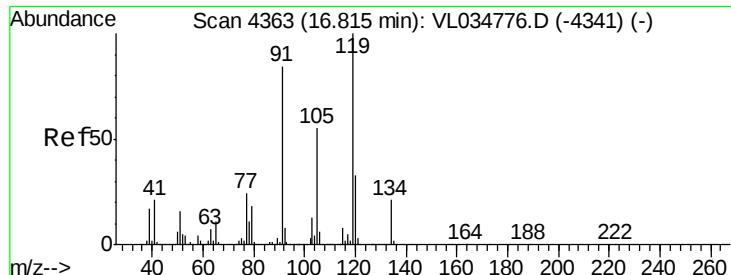
Tgt Ion: 83 Resp: 1228374
 Ion Ratio Lower Upper
 83 100
 131 9.8 4.7 14.0
 85 66.0 32.9 98.7



#64
 n-propylbenzene
 Concen: 7.554 ppbv
 RT: 15.61 min Scan# 3987
 Delta R.T. -0.02 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

Tgt Ion: 120 Resp: 739321
 Ion Ratio Lower Upper
 120 100
 91 452.5 379.4 569.2





#65

tert-Butylbenzene

Concen: 7.416 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. -0.02 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Instrument :

MSVOA_L

ClientSampleId :

VL0306ABS01

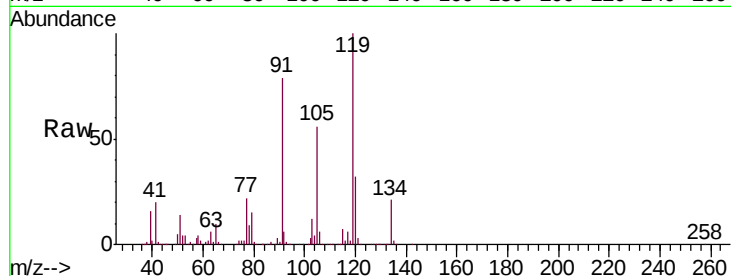
Tgt Ion: 119 Resp: 2446440

Ion Ratio Lower Upper

119 100

91 79.3 69.8 104.6

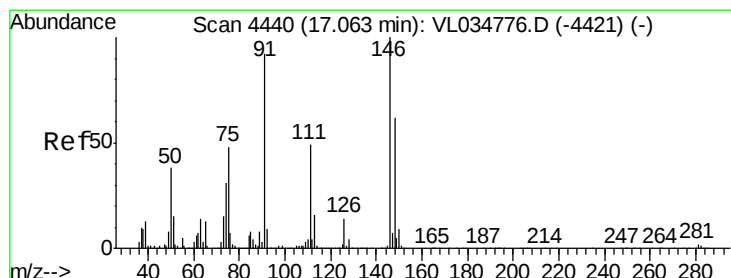
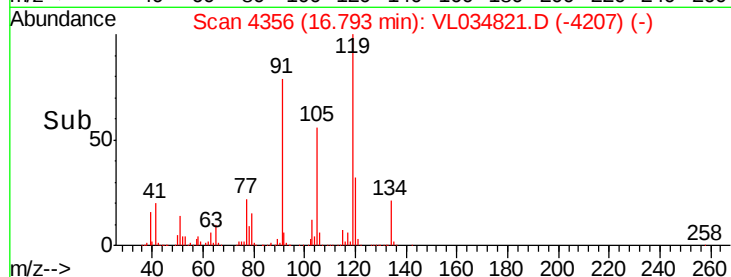
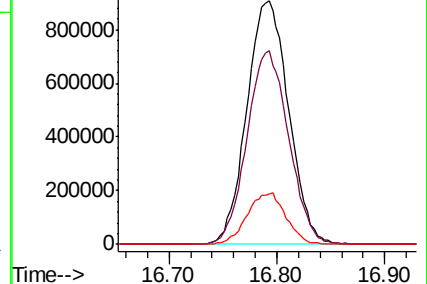
134 19.7 15.9 23.9



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 12.459 ppbv

RT: 17.03 min Scan# 4431

Delta R.T. -0.03 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

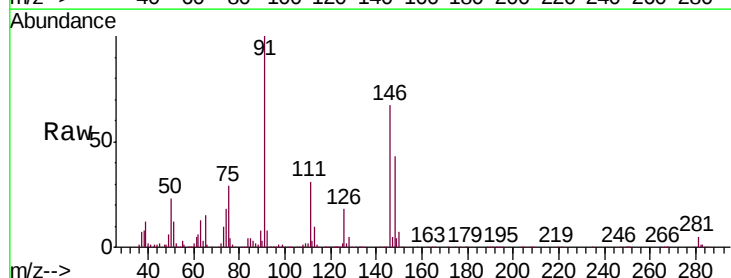
Tgt Ion: 91 Resp: 1328701

Ion Ratio Lower Upper

91 100

126 18.6 12.6 18.8

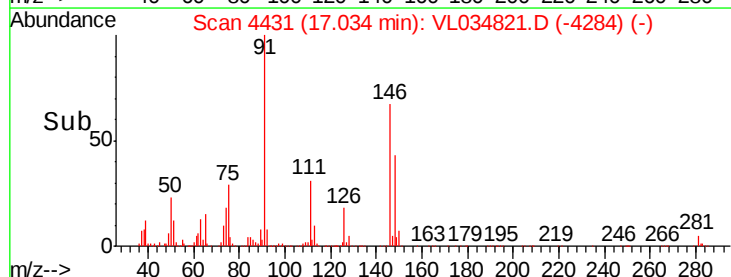
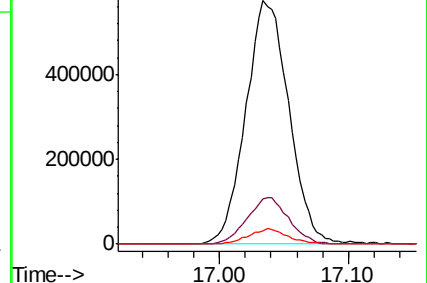
128 5.8 4.3 6.5

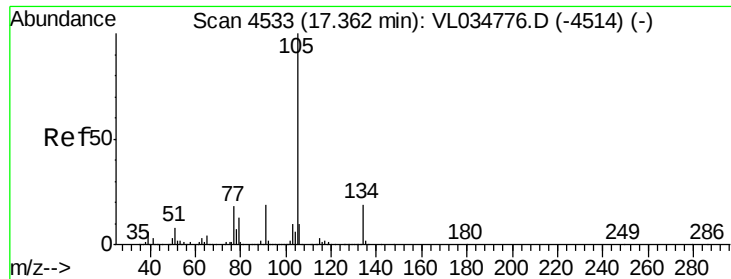


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

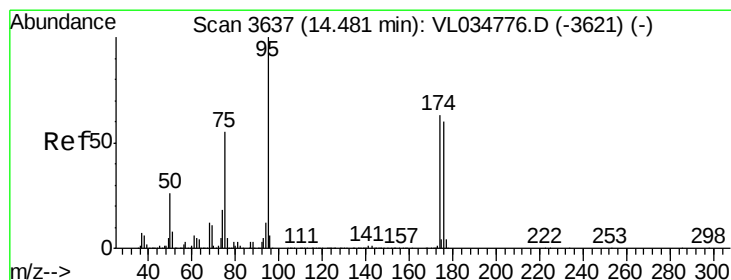
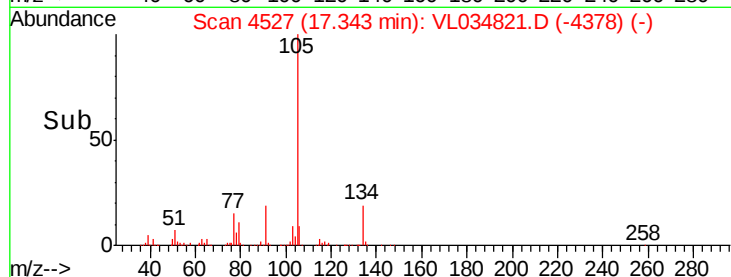
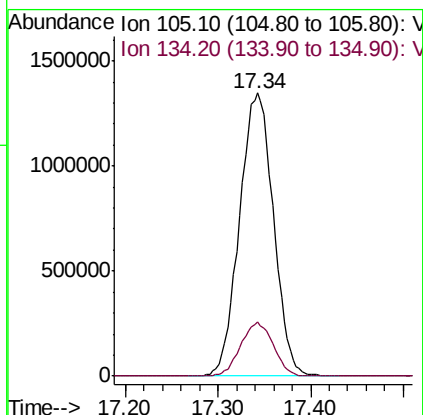
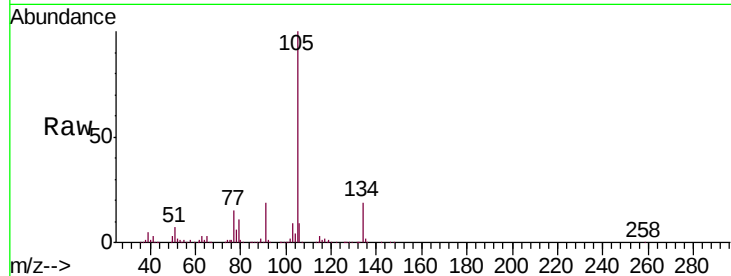




#67
 sec-Butylbenzene
 Concen: 7.097 ppbv
 RT: 17.34 min Scan# 4527
 Delta R.T. -0.02 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

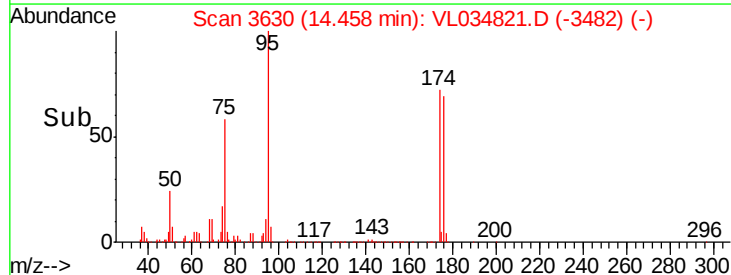
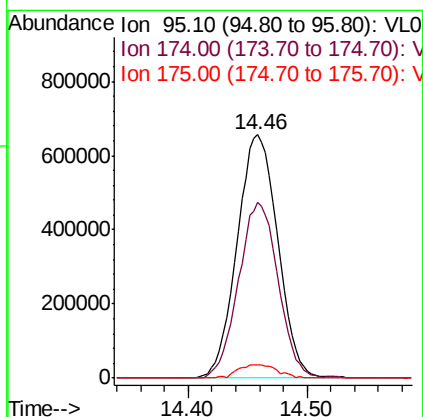
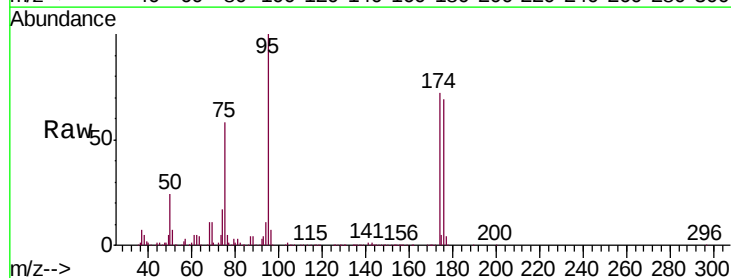
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0306ABS01

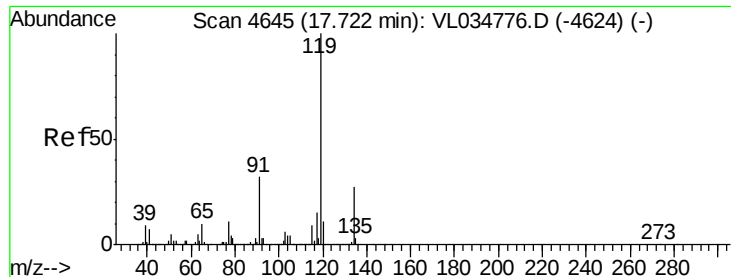
Tgt Ion:105 Resp: 3411601
 Ion Ratio Lower Upper
 105 100
 134 18.5 14.7 22.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 7.588 ppbv
 RT: 14.46 min Scan# 3630
 Delta R.T. -0.02 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

Tgt Ion: 95 Resp: 1554838
 Ion Ratio Lower Upper
 95 100
 174 70.6 50.6 76.0
 175 5.4 3.8 5.6

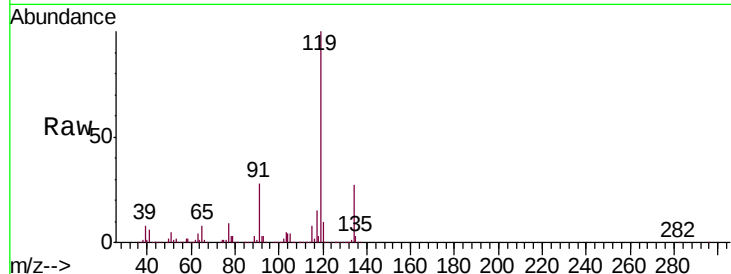




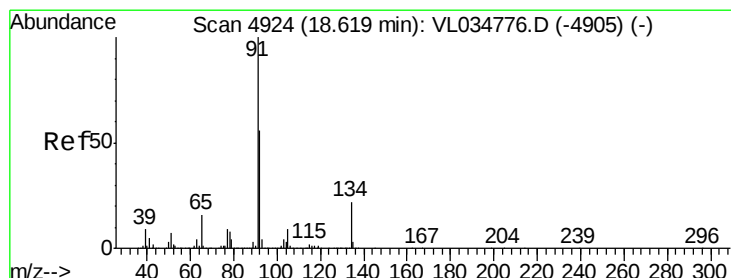
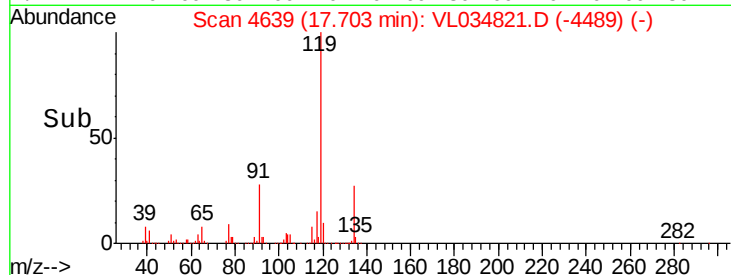
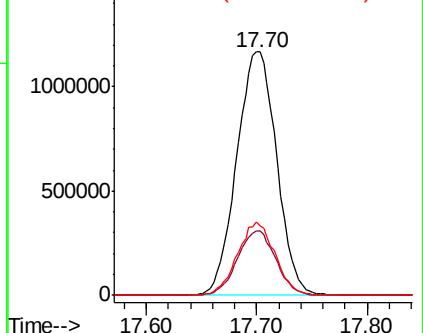
#69
p-Isopropyltoluene
Concen: 7.513 ppbv
RT: 17.70 min Scan# 4639
Delta R.T. -0.02 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Instrument :
MSVOA_L
ClientSampleId :
VL0306ABS01

Tgt Ion: 119 Resp: 2922781
Ion Ratio Lower Upper
119 100
134 25.6 20.6 30.8
91 28.5 25.3 37.9

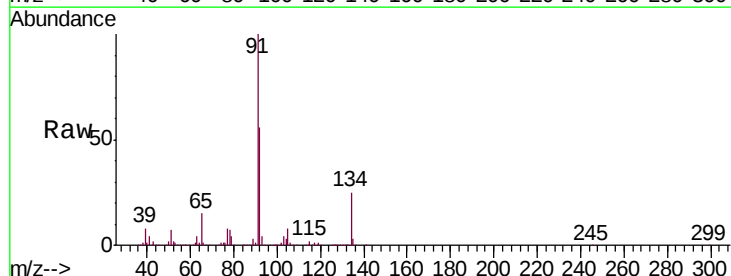


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

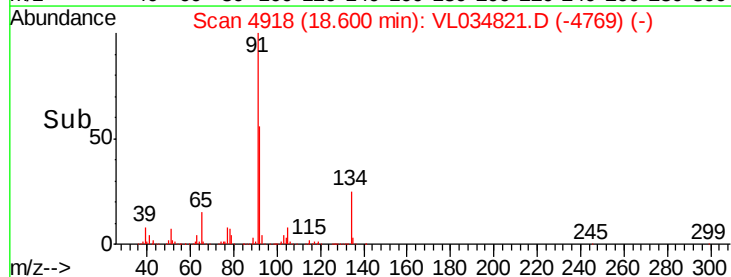
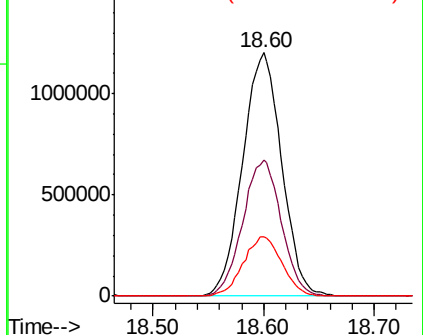


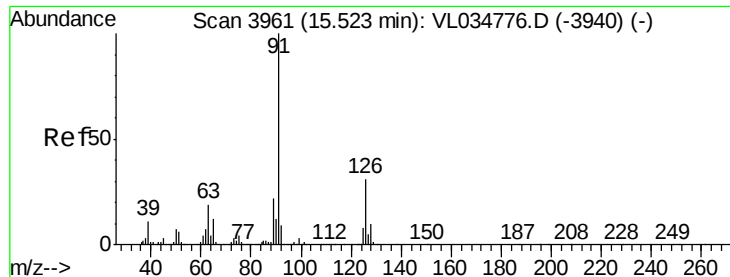
#70
n-Butylbenzene
Concen: 6.918 ppbv
RT: 18.60 min Scan# 4918
Delta R.T. -0.02 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Tgt Ion: 91 Resp: 2942785
Ion Ratio Lower Upper
91 100
92 55.4 44.0 66.0
134 24.2 17.7 26.5



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





#71

2-Chlorotoluene

Concen: 7.080 ppbv

RT: 15.50 min Scan# 3953

Delta R.T. -0.03 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Instrument :

MSVOA_L

ClientSampleId :

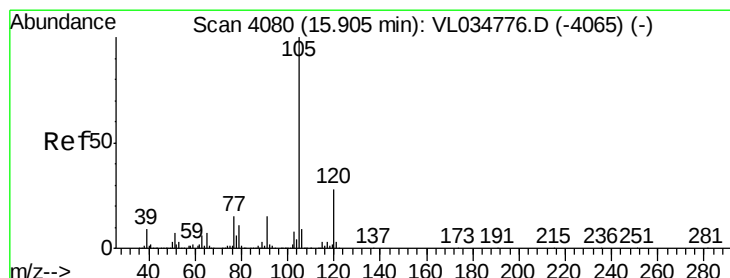
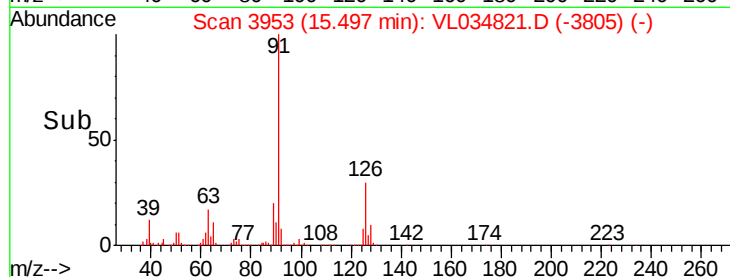
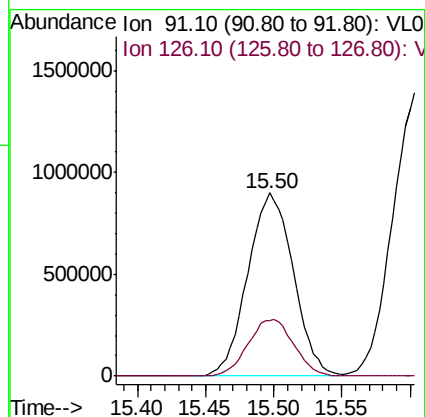
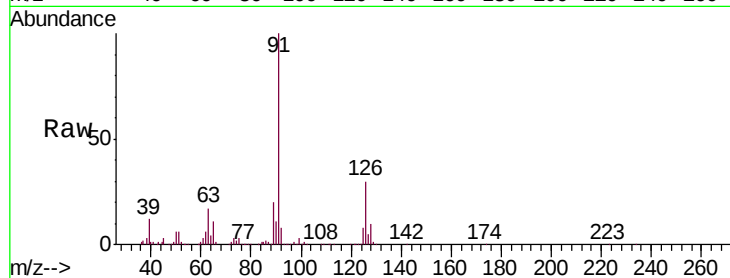
VL0306ABS01

Tgt Ion: 91 Resp: 2087291

Ion Ratio Lower Upper

91 100

126 31.4 11.7 46.7



#72

4-Ethyltoluene

Concen: 7.598 ppbv

RT: 15.89 min Scan# 4074

Delta R.T. -0.02 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Tgt Ion: 105 Resp: 2243628

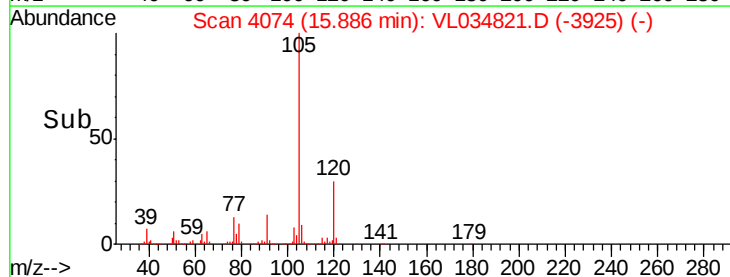
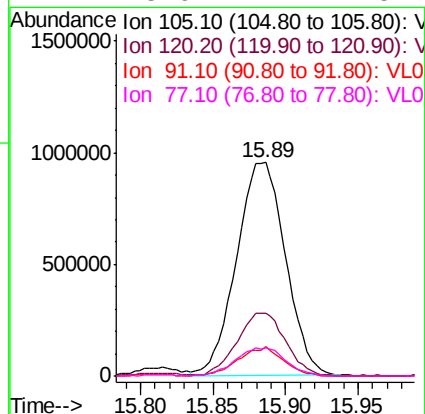
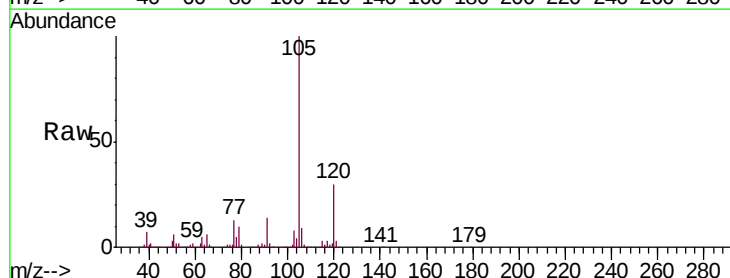
Ion Ratio Lower Upper

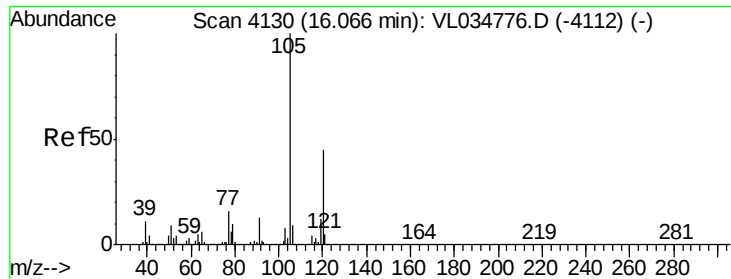
105 100

120 29.6 23.0 34.6

91 12.5 11.1 16.7

77 13.6 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 7.410 ppbv

RT: 16.04 min Scan# 4123

Delta R.T. -0.02 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Instrument :

MSVOA_L

ClientSampleId :

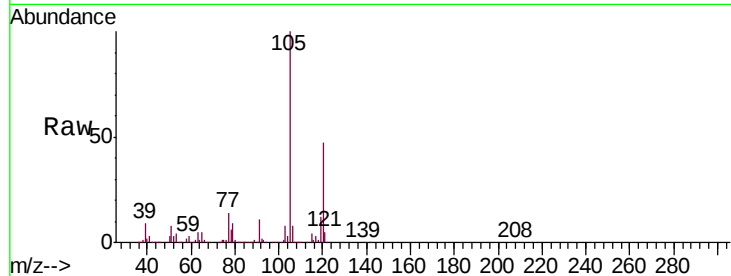
VL0306ABS01

Tgt Ion:105 Resp: 2098875

Ion Ratio Lower Upper

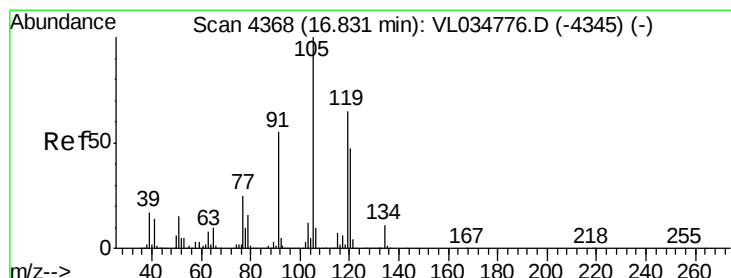
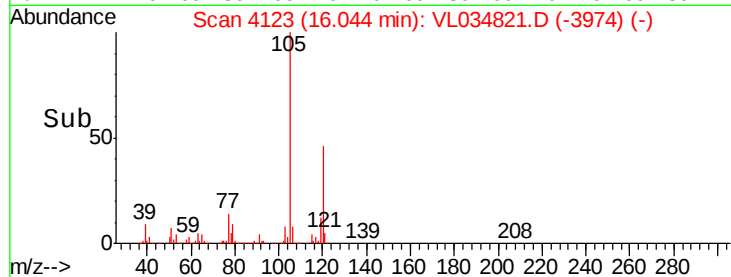
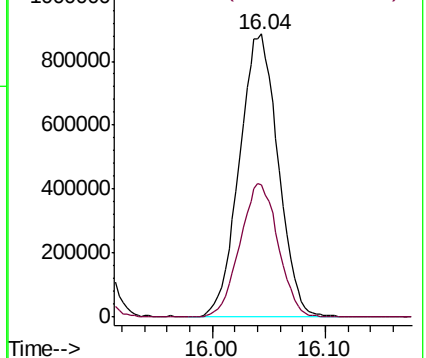
105 100

120 46.9 35.6 53.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 6.958 ppbv

RT: 16.81 min Scan# 4362

Delta R.T. -0.02 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Tgt Ion:105 Resp: 2142393

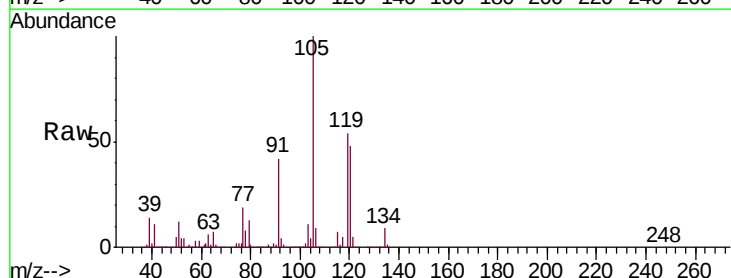
Ion Ratio Lower Upper

105 100

120 47.6 37.8 56.6

91 42.2 43.8 65.8#

77 19.1 19.9 29.9#

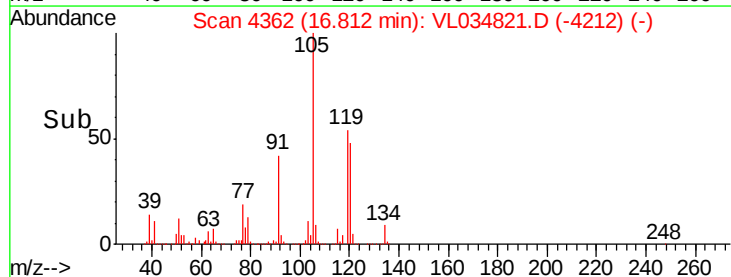
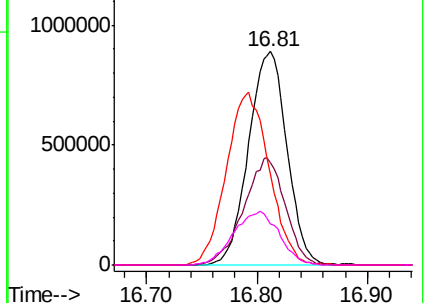


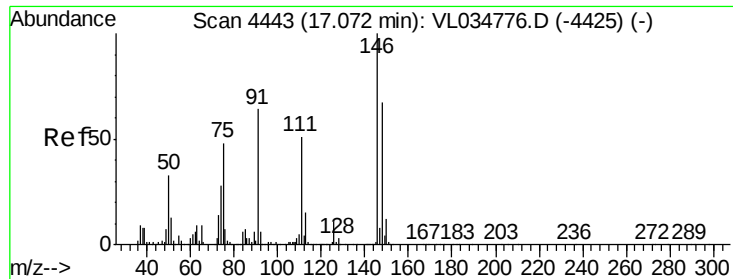
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

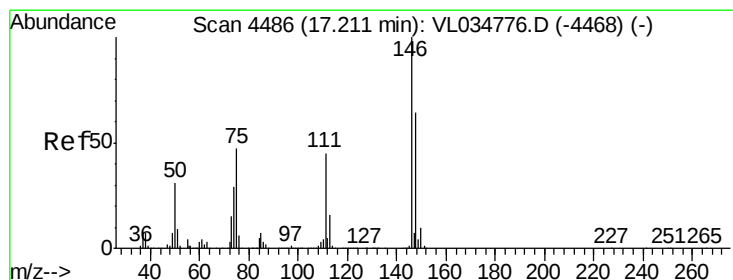
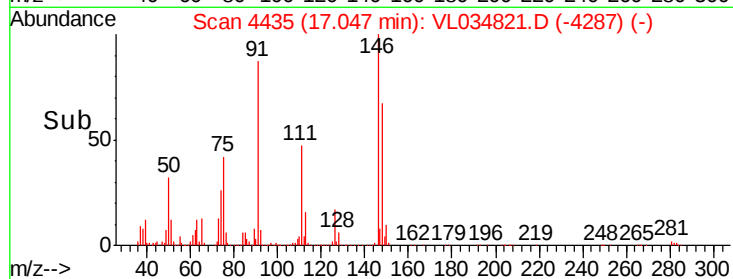
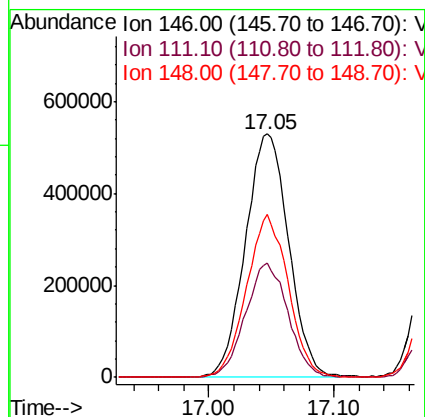
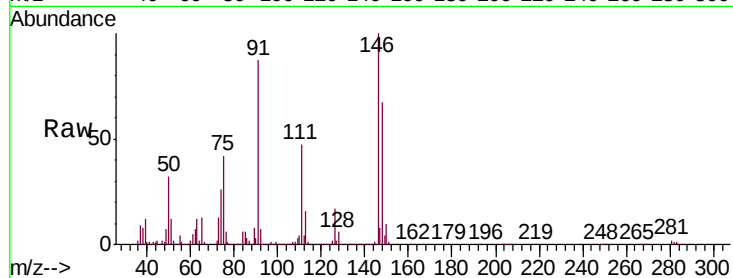




#75
 1,3-Dichlorobenzene
 Concen: 6.977 ppbv
 RT: 17.05 min Scan# 4435
 Delta R.T. -0.03 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

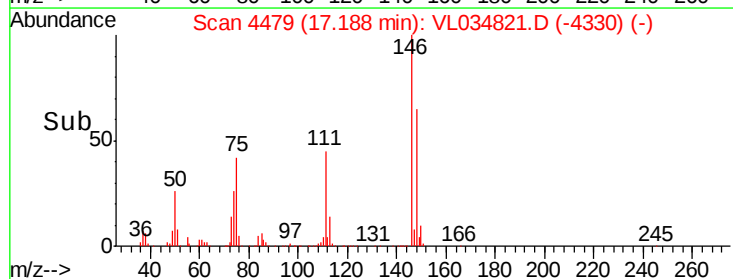
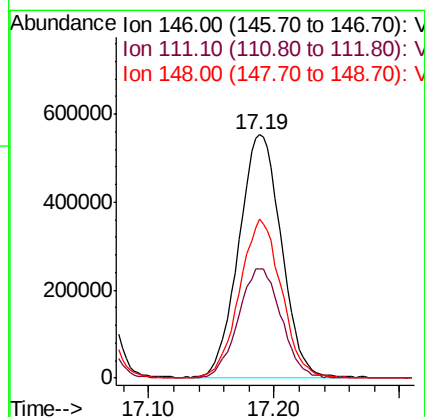
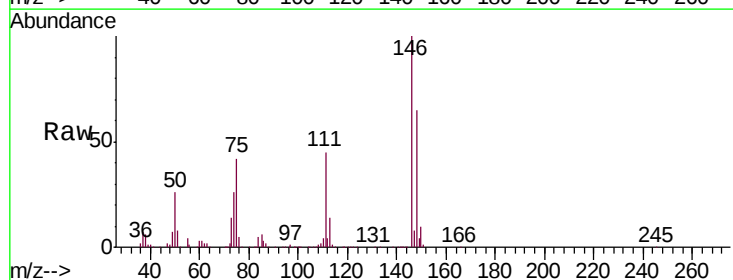
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0306ABS01

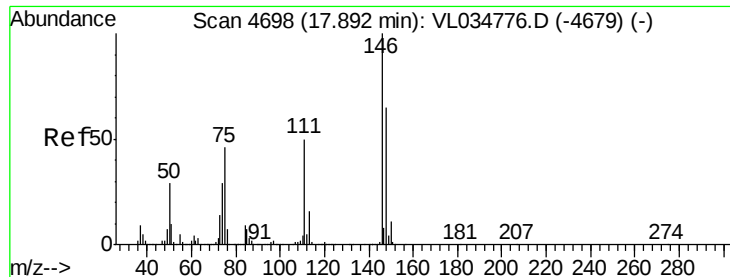
Tgt Ion:146 Resp: 1271774
 Ion Ratio Lower Upper
 146 100
 111 46.1 24.7 74.1
 148 64.6 31.8 95.4



#76
 1,4-Dichlorobenzene
 Concen: 7.399 ppbv
 RT: 17.19 min Scan# 4479
 Delta R.T. -0.02 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

Tgt Ion:146 Resp: 1290649
 Ion Ratio Lower Upper
 146 100
 111 46.2 23.5 70.5
 148 65.0 32.2 96.6





#77

1,2-Dichlorobenzene

Concen: 7.295 ppbv

RT: 17.87 min Scan# 4692

Delta R.T. -0.02 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Instrument :

MSVOA_L

ClientSampleId :

VL0306ABS01

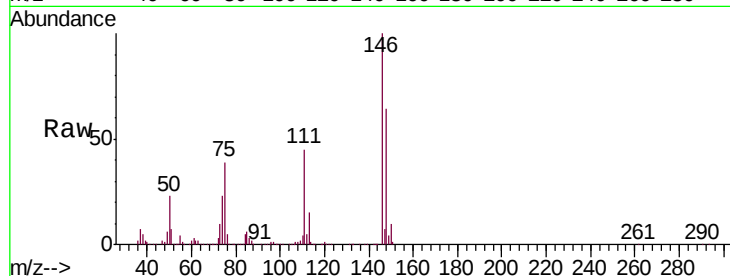
Tgt Ion:146 Resp: 1272106

Ion Ratio Lower Upper

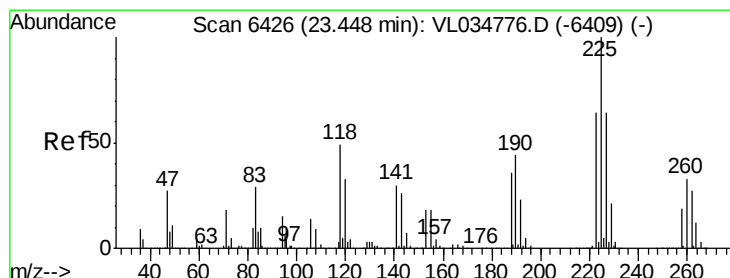
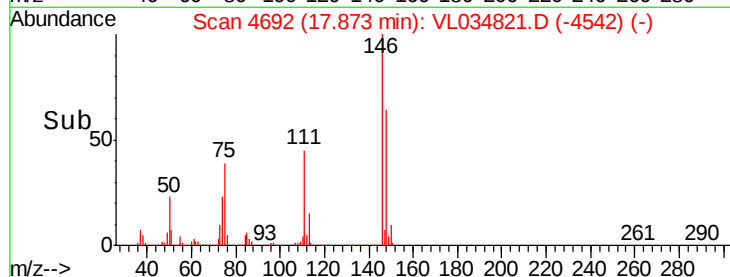
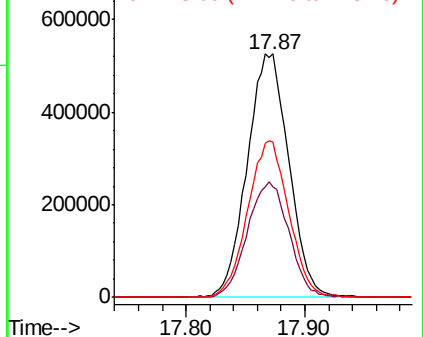
146 100

111 47.5 25.3 75.8

148 63.6 32.3 96.9



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 7.826 ppbv

RT: 23.43 min Scan# 6420

Delta R.T. -0.02 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

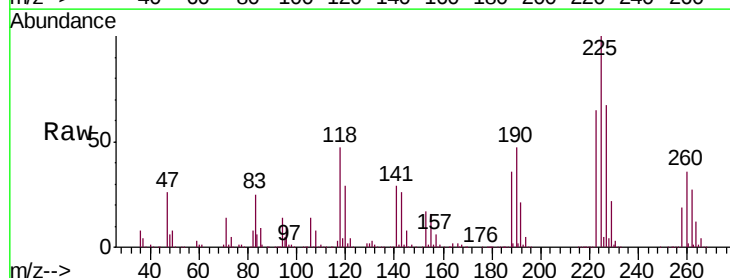
Tgt Ion:225 Resp: 1138906

Ion Ratio Lower Upper

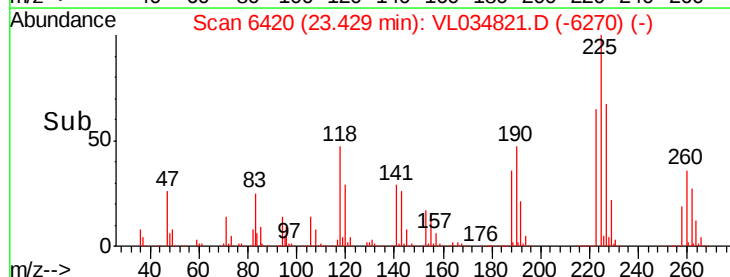
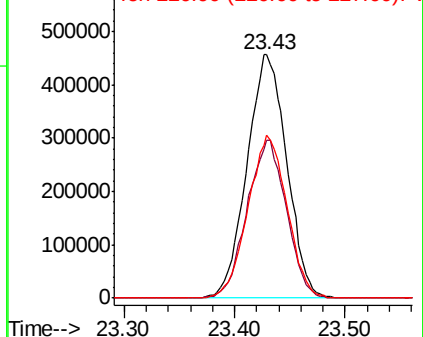
225 100

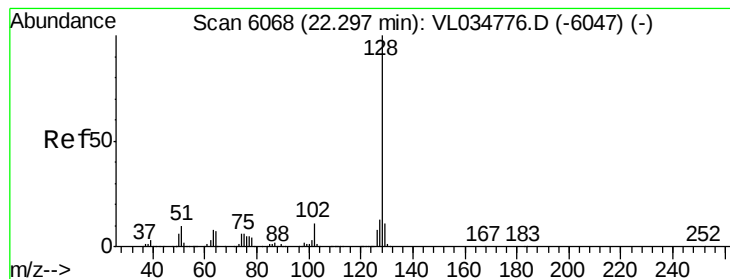
223 64.0 51.3 76.9

227 65.7 51.9 77.9



Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.868 ppbv

RT: 22.27 min Scan# 6059

Delta R.T. -0.03 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Instrument :

MSVOA_L

ClientSampleId :

VL0306ABS01

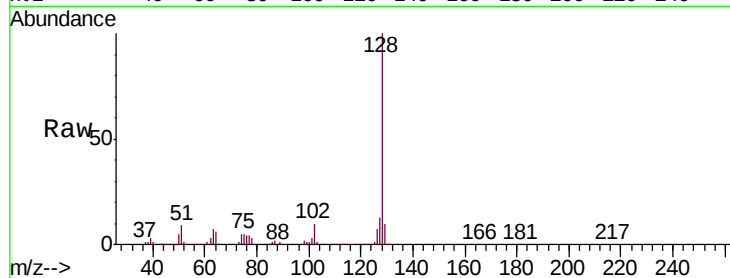
Tgt Ion:128 Resp: 2283469

Ion Ratio Lower Upper

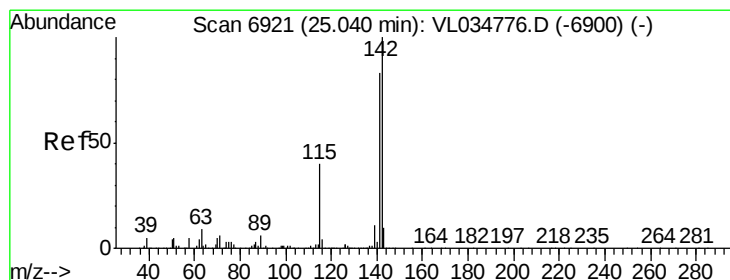
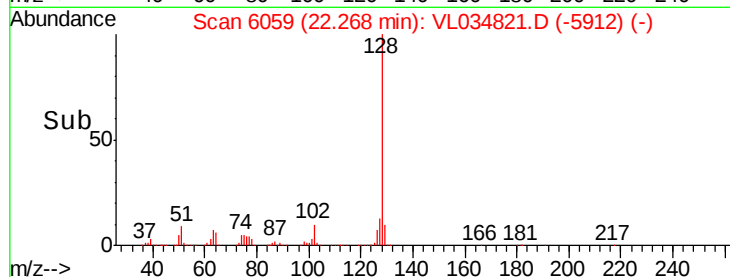
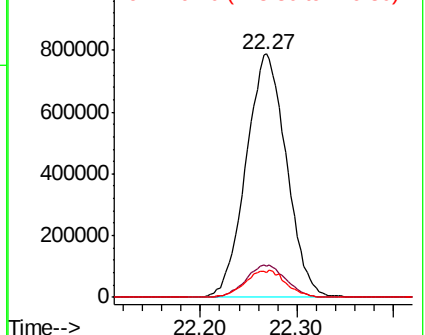
128 100

127 12.8 10.2 15.4

129 10.0 9.0 13.6



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: 15.782 ppbv

RT: 25.02 min Scan# 6915

Delta R.T. -0.02 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

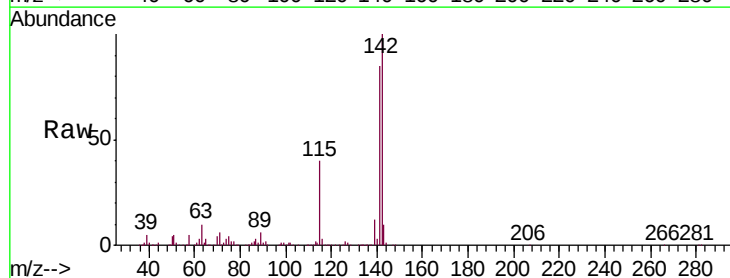
Tgt Ion:142 Resp: 872234

Ion Ratio Lower Upper

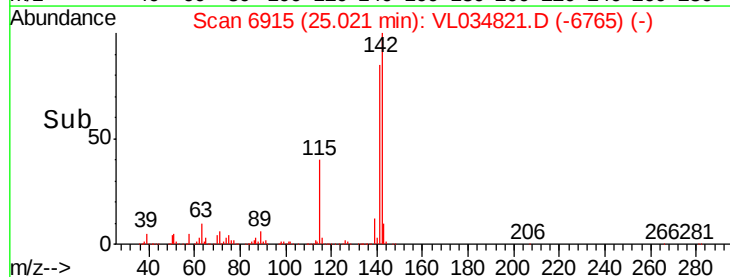
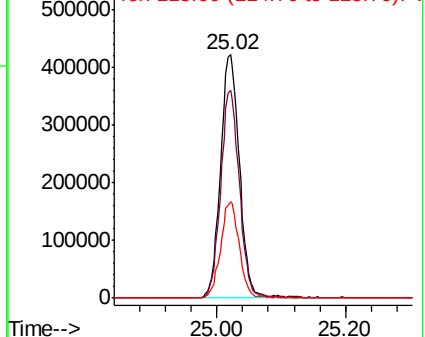
142 100

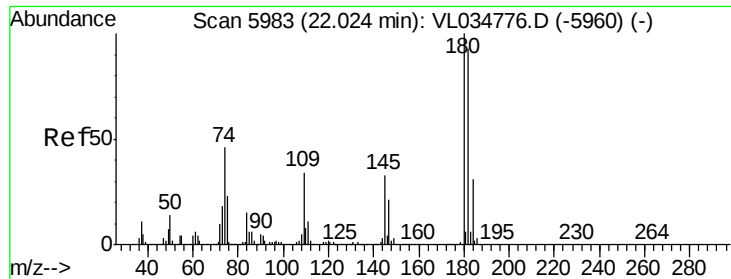
141 84.4 67.7 101.5

115 39.1 30.7 46.1



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: 8.973 ppbv

RT: 22.00 min Scan# 5974

Delta R.T. -0.03 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Instrument :

MSVOA_L

ClientSampleId :

VL0306ABS01

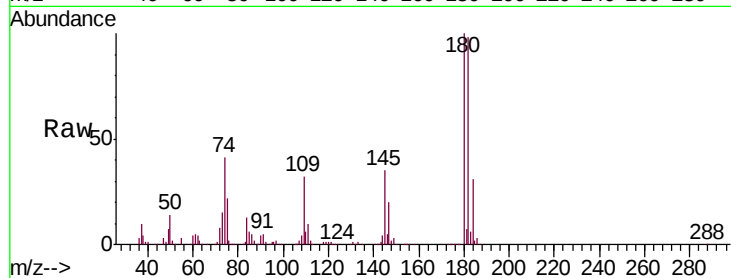
Tgt Ion:180 Resp: 1312583

Ion Ratio Lower Upper

180 100

182 97.3 76.8 115.2

184 31.2 24.8 37.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

