

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030320\
 Data File : VL034774.D
 Acq On : 3 Mar 2020 21:47
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 04 05:49:01 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	5.69	49	1167807	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.21	114	2476420	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.15	117	3048495	10.00	ppbv	0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	2069607	8.28	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.02	85	1342178	7.286	ppbv 93
3) Chlorodifluoromethane	2.97	51	1184350	9.397	ppbv 98
4) Chloromethane	3.12	50	700352	9.927	ppbv 97
5) Vinyl Chloride	3.24	62	639541	9.241	ppbv 93
6) Bromomethane	3.46	94	374054	9.225	ppbv 97
7) Chloroethane	3.54	64	238298	9.275	ppbv 93
8) Dichlorotetrafluoroethane	3.17	85	1417614	8.700	ppbv 98
9) Propene	2.99	41	532282	10.104	ppbv 100
10) Heptane	8.17	43	1384641	10.211	ppbv 98
11) Trichlorofluoromethane	3.94	101	1433564	8.884	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	995250	8.750	ppbv 98
13) Ethanol	3.60	45	160020	9.615	ppbv 95
14) Bromoethene	3.73	108	445250	9.382	ppbv 99
15) Acetone	3.84	43	1259248	9.463	ppbv 100
16) 1,3-Butadiene	3.31	39	619320	10.054	ppbv 94
17) tert-Butyl alcohol	4.29	59	1164755	11.422	ppbv 99
18) 1,1-Dichloroethene	4.29	96	458618	8.981	ppbv 94
19) Isopropyl Alcohol	3.96	45	883059	11.141	ppbv 99
20) Methylene Chloride	4.34	84	398210	8.046	ppbv 92
21) Allyl Chloride	4.41	41	824813	9.368	ppbv 97
22) trans-1,2-Dichloroethene	4.90	96	459891	9.237	ppbv 100
23) Vinyl Acetate	5.09	43	1968802	10.883	ppbv 99
24) 1,1-Dichloroethane	5.02	63	1317355	9.118	ppbv 99
25) Ethyl Acetate	5.70	43	2296294	9.748	ppbv 99
26) Hexane	5.71	57	1016302	9.361	ppbv 97
27) Carbon Disulfide	4.55	76	1165519	9.457	ppbv 97
28) Methyl tert-Butyl Ether	5.04	73	1525093	9.833	ppbv 98
29) Chloroform	5.77	83	1563507	9.039	ppbv 95
30) Cyclohexane	7.17	84	847407	10.071	ppbv 98
31) cis-1,2-Dichloroethene	5.57	61	1074280	10.055	ppbv 94
32) 1,1,1-Trichloroethane	6.54	97	1501802	9.297	ppbv 99
34) 2-Butanone	5.26	43	1564167	10.035	ppbv 99
35) Carbon Tetrachloride	7.06	117	1532734	9.242	ppbv 98
36) Benzene	6.93	78	2053598	9.601	ppbv 96
37) 1,2-Dichloroethane	6.34	62	1263977	9.375	ppbv 100
38) Trichloroethene	7.88	130	764027	9.267	ppbv 96
39) 1,2-Dichloropropane	7.66	63	814696	9.574	ppbv 96
40) 1,4-Dioxane	7.87	88	304725	10.530	ppbv # 1
41) Tetrahydrofuran	6.07	42	884929	10.756	ppbv 97
42) Bromodichloromethane	7.84	83	1669065	9.456	ppbv 98
43) Methyl Methacrylate	8.06	69	946424	10.520	ppbv 97

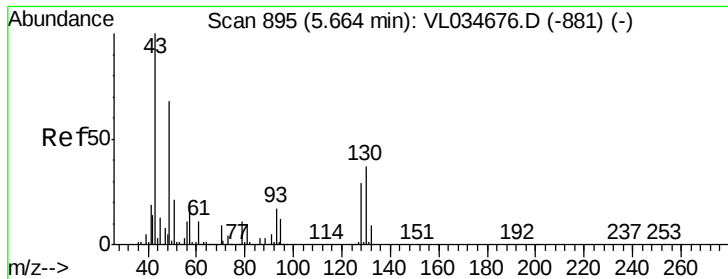
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030320\
 Data File : VL034774.D
 Acq On : 3 Mar 2020 21:47
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Quant Time: Mar 04 05:49:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: 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)
44) 2,2,4-Trimethylpentane	7.91	57	3536063	9.459	ppbv	99
45) t-1,3-Dichloropropene	9.33	75	1090356	11.107	ppbv	99
46) cis-1,3-Dichloropropene	8.75	75	1264505	10.740	ppbv	99
47) 1,1,2-Trichloroethane	9.53	97	824926	9.449	ppbv	97
48) Dibromochloromethane	10.36	129	1342262	9.888	ppbv	99
49) Bromoform	13.11	173	1162636	9.878	ppbv	99
50) 4-Methyl-2-Pentanone	8.79	43	2261170	10.242	ppbv	99
51) 2-Hexanone	10.19	43	1858113	10.695	ppbv #	99
52) Tetrachloroethene	11.29	164	707059	9.019	ppbv	98
53) Toluene	9.86	91	2299748	10.109	ppbv	100
54) 1,2-Dibromoethane	10.67	107	1243725	9.550	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.19	131	983065	7.572	ppbv #	58
57) Chlorobenzene	12.21	112	1679628	7.454	ppbv	96
58) Ethyl Benzene	12.78	91	3037669	8.236	ppbv	100
59) m/p-Xylene	13.06	91	2698022	8.387	ppbv #	41
60) o-Xylene	13.76	91	2454750	7.690	ppbv	100
61) Styrene	13.60	104	1761726	8.592	ppbv	98
62) Isopropylbenzene	14.74	105	3593104	7.716	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.75	83	1722268	6.922	ppbv	99
64) n-propylbenzene	15.64	120	917392	7.642	ppbv	91
65) tert-Butylbenzene	16.82	119	3091004	7.687	ppbv	100
66) Benzyl Chloride	17.07	91	1380770	9.206	ppbv	99
67) sec-Butylbenzene	17.37	105	4420114	7.639	ppbv	99
69) p-Isopropyltoluene	17.73	119	3671354	7.708	ppbv	100
70) n-Butylbenzene	18.63	91	3992924	7.699	ppbv	100
71) 2-Chlorotoluene	15.53	91	2804016	7.775	ppbv	100
72) 4-Ethyltoluene	15.91	105	2889756	8.133	ppbv	99
73) 1,3,5-Trimethylbenzene	16.07	105	2729431	7.986	ppbv	99
74) 1,2,4-Trimethylbenzene	16.84	105	2814100	7.455	ppbv	92
75) 1,3-Dichlorobenzene	17.08	146	1608809	7.384	ppbv	100
76) 1,4-Dichlorobenzene	17.22	146	1622961	7.445	ppbv	99
77) 1,2-Dichlorobenzene	17.90	146	1596708	7.580	ppbv	99
78) Hexachloro-1,3-Butadiene	23.46	225	1431686	7.806	ppbv	99
79) Naphthalene	22.30	128	2913229	8.770	ppbv	98
80) Naphthalene, 2-methyl-	25.04	142	1296777	12.656	ppbv	96
81) 1,2,4-Trichlorobenzene	22.03	180	781062	3.940	ppbv #	11

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.02 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :
MSVOA_L
ClientSampleId :

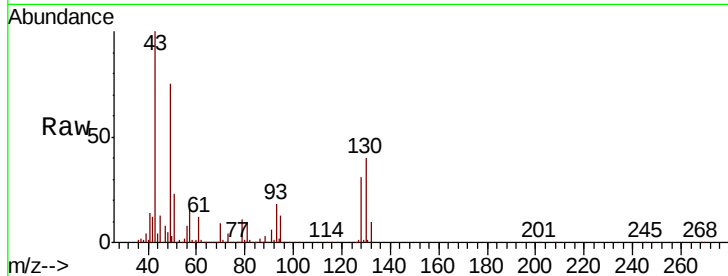
Tot Ion: 49 Resp: 1167807

Ion	Ratio	Lower	Upper
49	100		
128	43.0	21.6	65.0
130	55.1	27.7	83.1

49 100

128 43.0 21.6 65.0

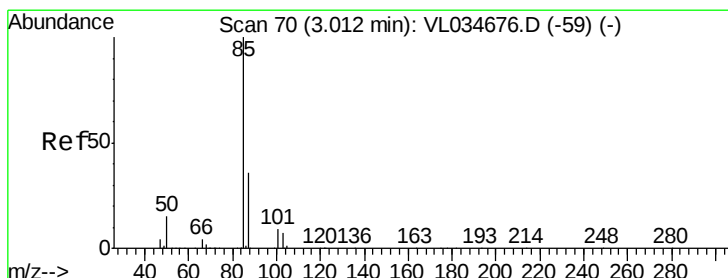
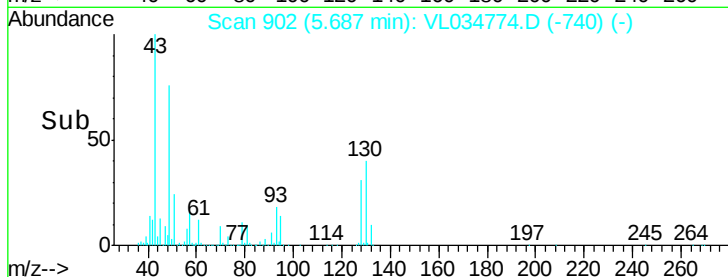
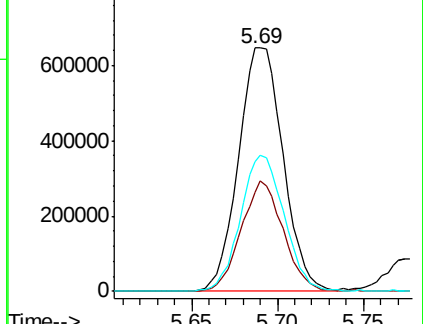
130 55.1 27.7 83.1



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: 7.286 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.01 min

Lab File: VL034774.D

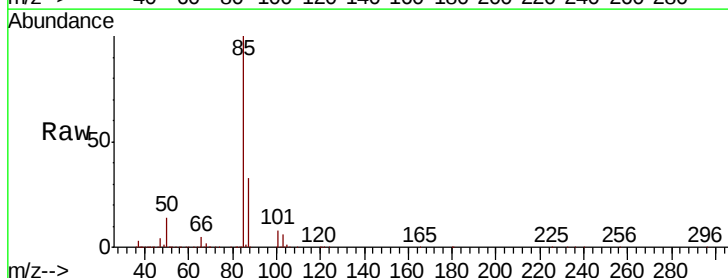
Acq: 3 Mar 2020 21:47

Tgt Ion: 85 Resp: 1342178

Ion	Ratio	Lower	Upper
85	100		
87	32.6	29.2	43.8

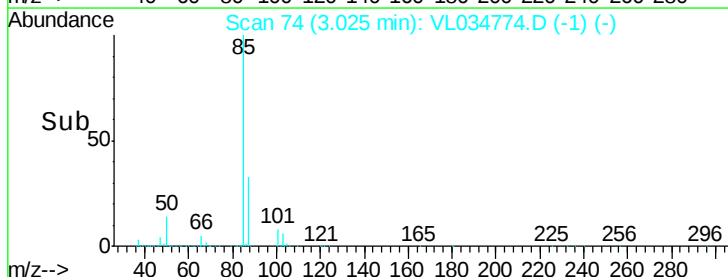
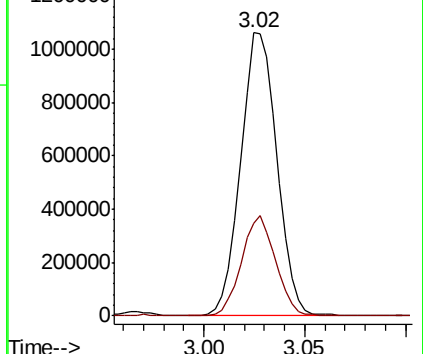
85 100

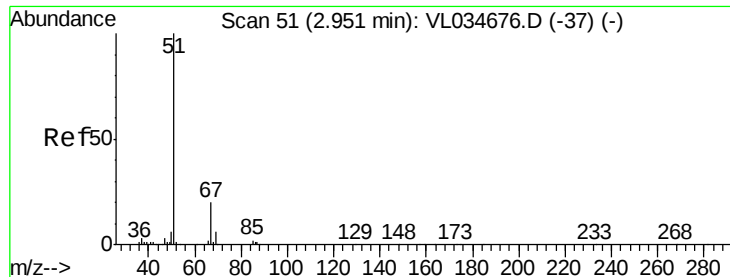
87 32.6 29.2 43.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.397 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.02 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

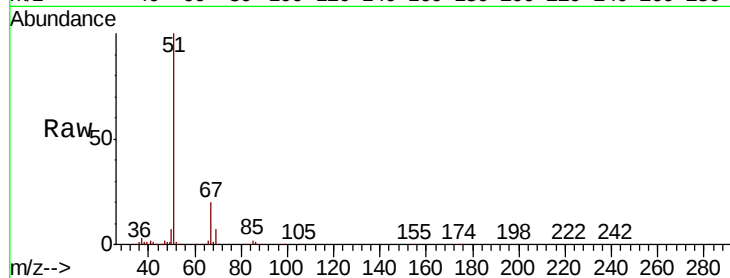
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 51 Resp: 1184350

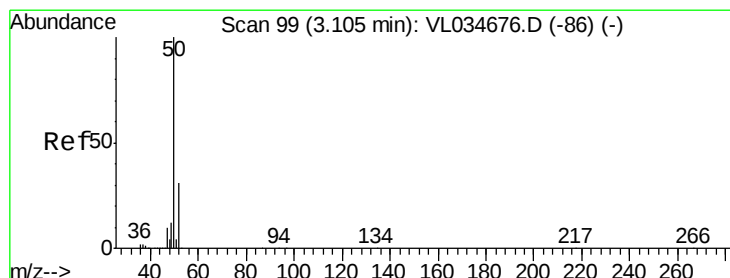
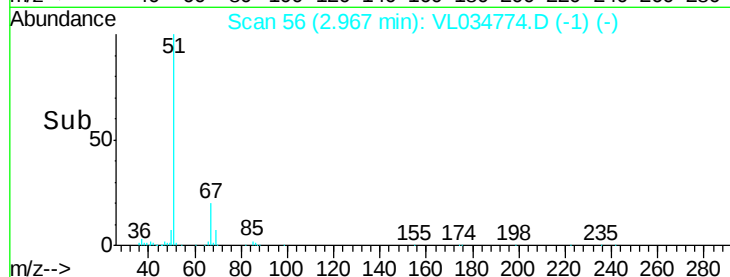
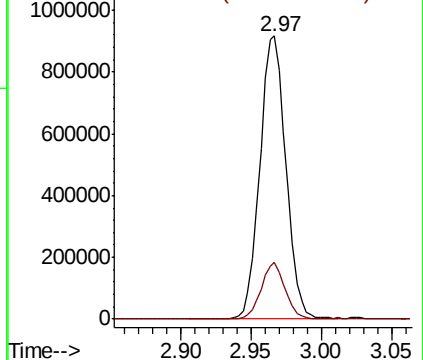
Ion Ratio Lower Upper

51 100

67 18.3 15.5 23.3



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.927 ppbv

RT: 3.12 min Scan# 104

Delta R.T. 0.02 min

Lab File: VL034774.D

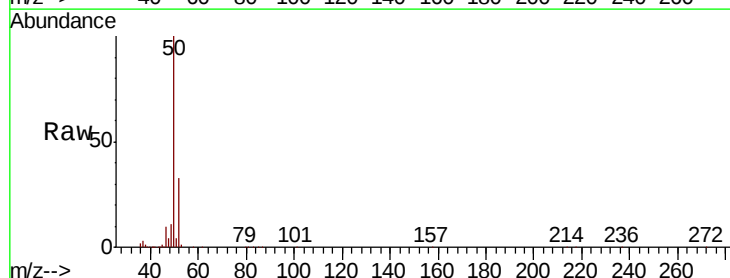
Acq: 3 Mar 2020 21:47

Tgt Ion: 50 Resp: 700352

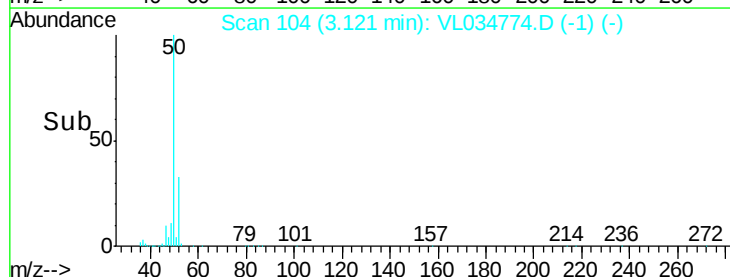
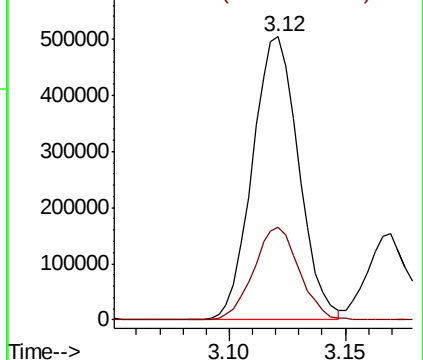
Ion Ratio Lower Upper

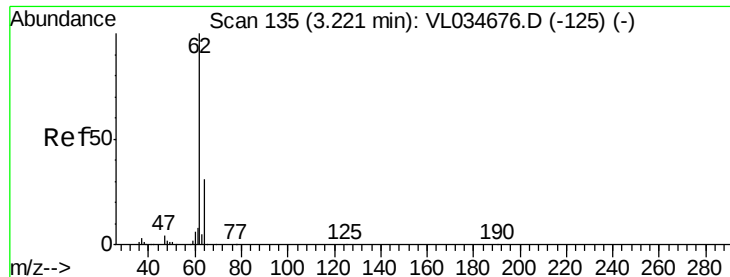
50 100

52 32.7 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: 9.241 ppbv

RT: 3.24 min Scan# 141

Delta R.T. 0.02 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

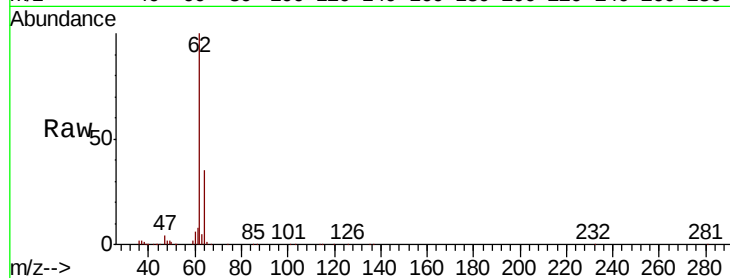
ClientSampled :

Tot Ion: 62 Resp: 639541

Ion Ratio Lower Upper

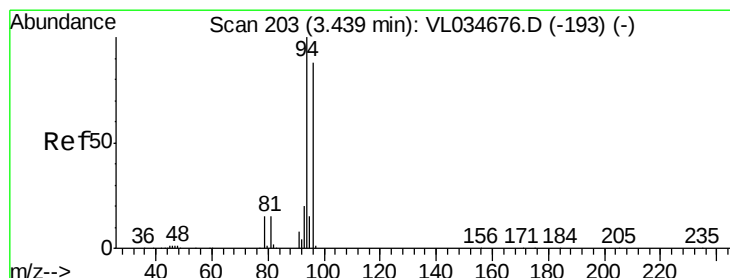
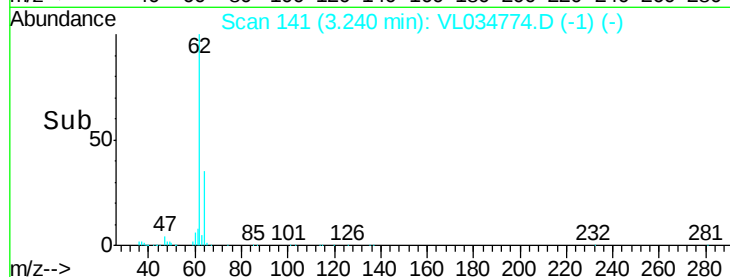
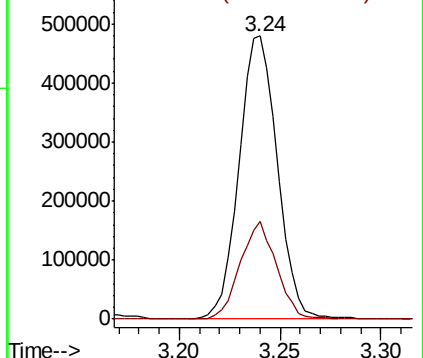
62 100

64 34.7 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: 9.225 ppbv

RT: 3.46 min Scan# 209

Delta R.T. 0.02 min

Lab File: VL034774.D

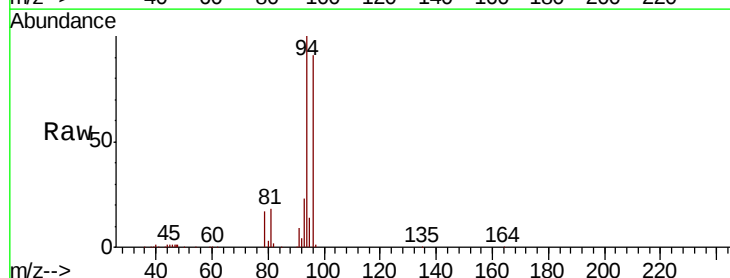
Acq: 3 Mar 2020 21:47

Tgt Ion: 94 Resp: 374054

Ion Ratio Lower Upper

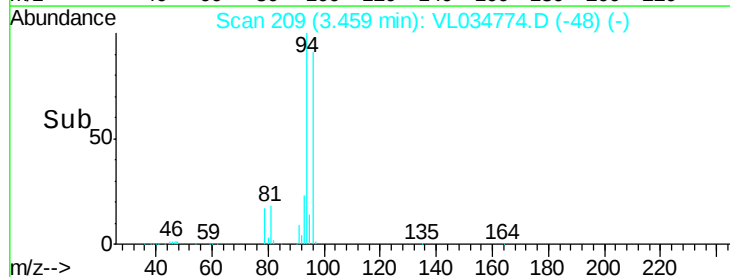
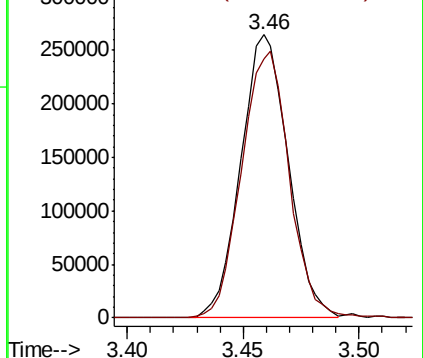
94 100

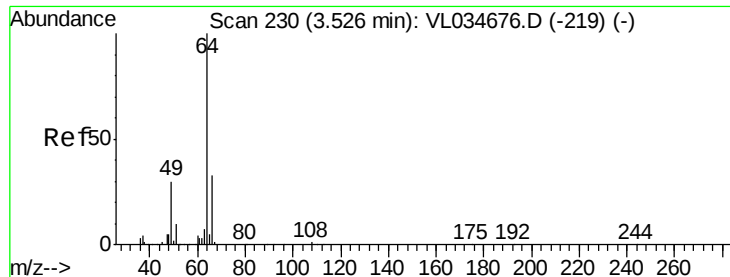
96 91.3 70.5 105.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.275 ppbv

RT: 3.54 min Scan# 235

Delta R.T. 0.02 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

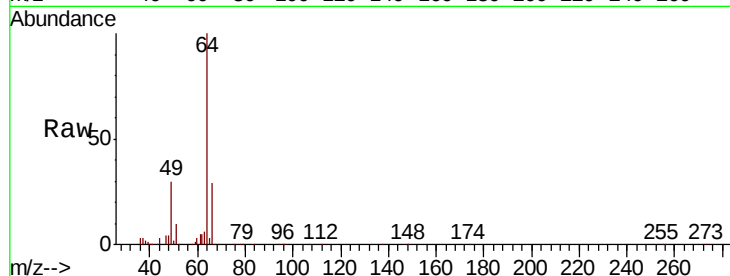
ClientSampleId :

Tot Ion: 64 Resp: 238298

Ion Ratio Lower Upper

64 100

66 29.2 26.7 40.1



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.54

200000

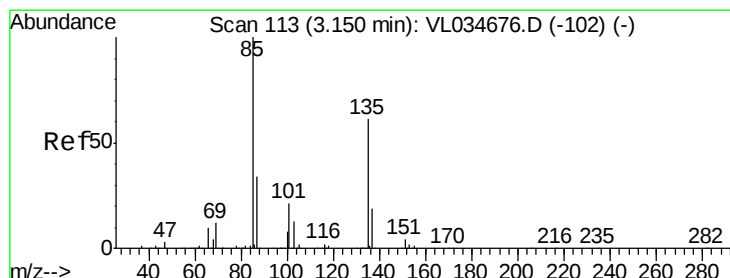
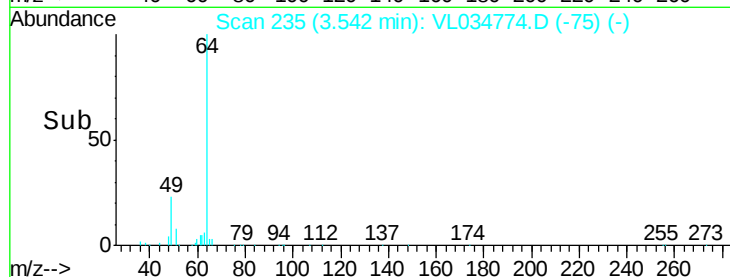
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.700 ppbv

RT: 3.17 min Scan# 118

Delta R.T. 0.02 min

Lab File: VL034774.D

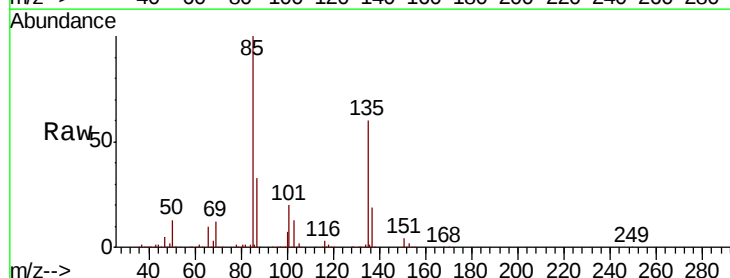
Acq: 3 Mar 2020 21:47

Tgt Ion: 85 Resp: 1417614

Ion Ratio Lower Upper

85 100

135 63.5 49.8 74.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.17

1200000

1000000

800000

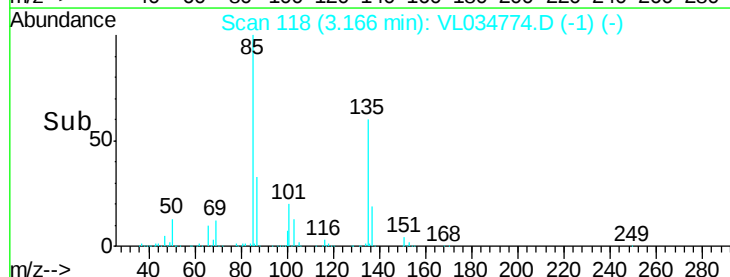
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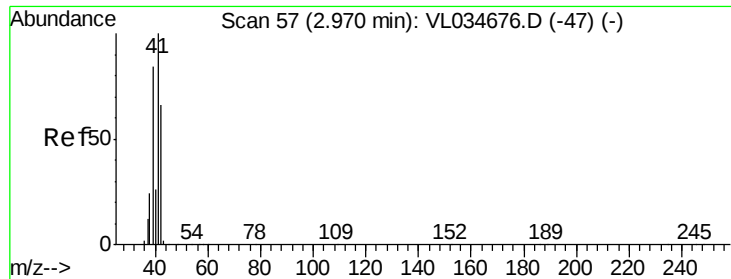
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200000

0

Time-->





#9

Propene

Concen: 10.104 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.02 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

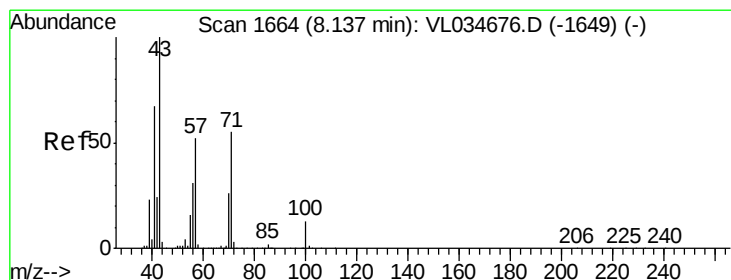
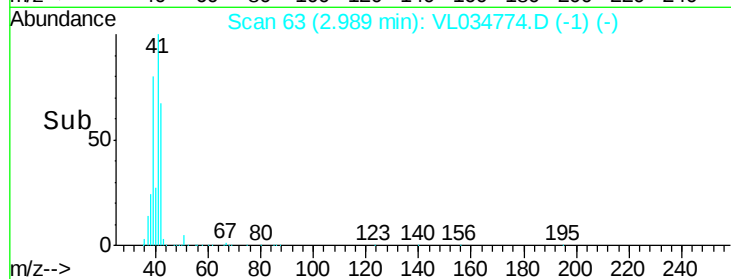
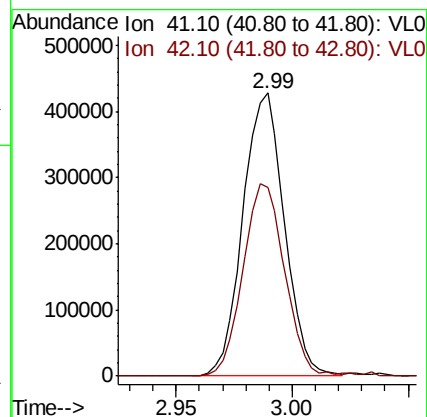
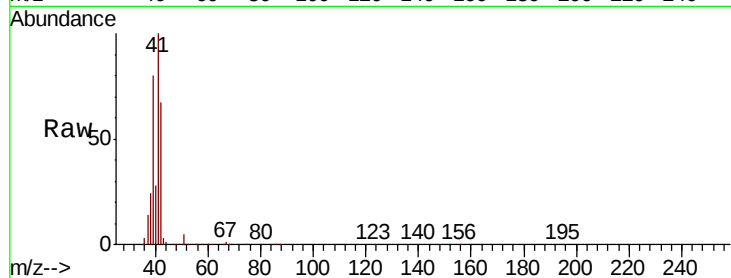
ClientSampleId :

Tot Ion: 41 Resp: 532282

Ion Ratio Lower Upper

41 100

42 68.9 54.9 82.3



#10

Heptane

Concen: 10.211 ppbv

RT: 8.17 min Scan# 1673

Delta R.T. 0.03 min

Lab File: VL034774.D

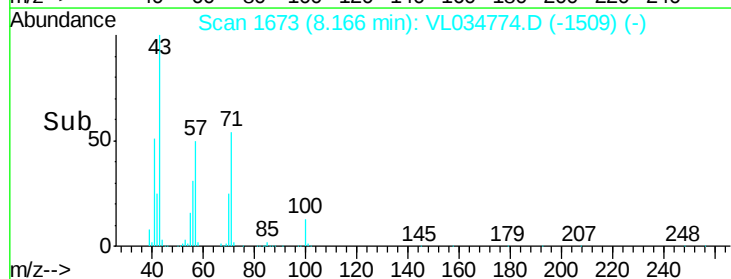
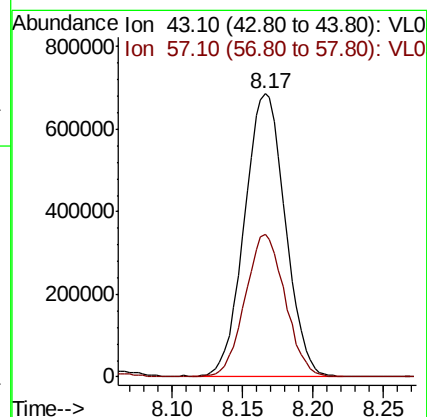
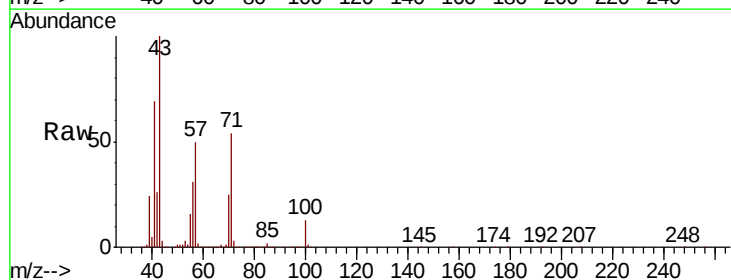
Acq: 3 Mar 2020 21:47

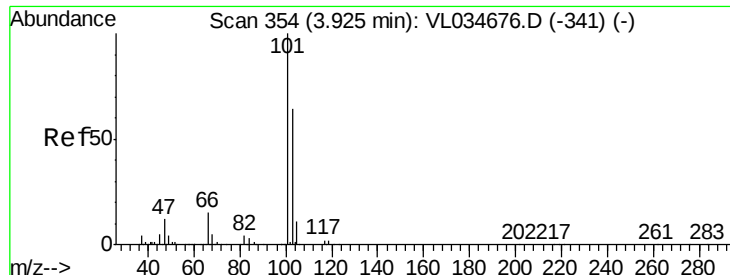
Tgt Ion: 43 Resp: 1384641

Ion Ratio Lower Upper

43 100

57 49.6 41.0 61.6

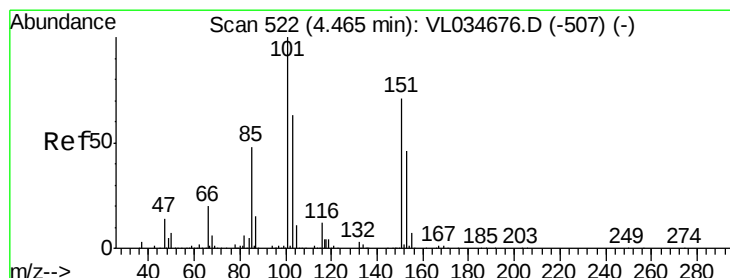
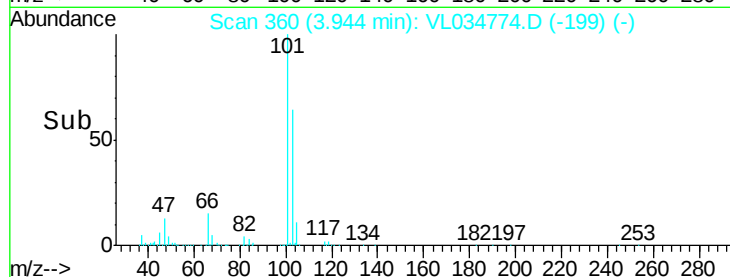
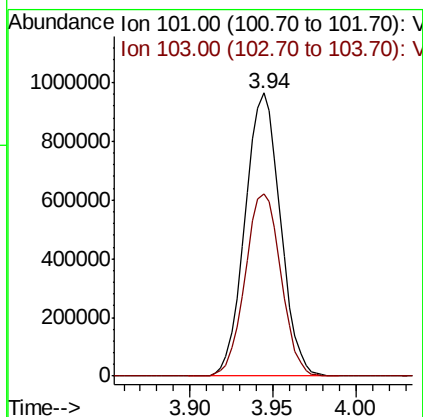
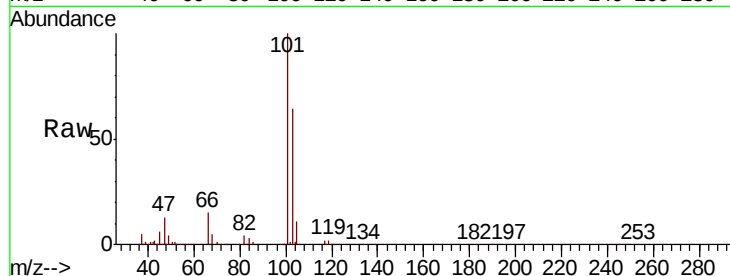




#11
 Trichlorofluoromethane
 Concen: 8.884 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. 0.02 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

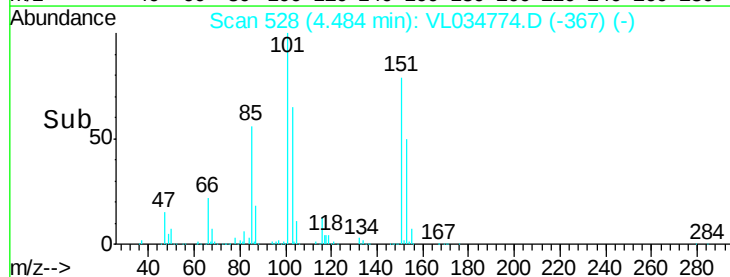
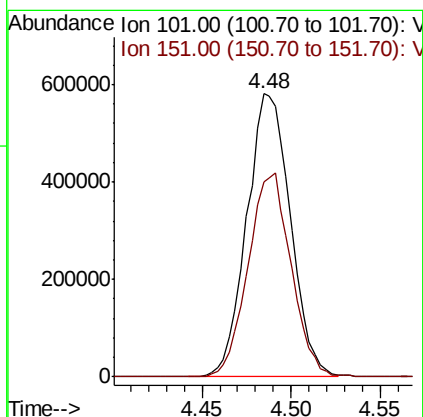
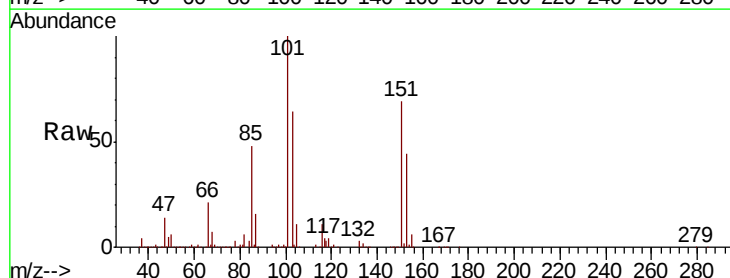
Instrument :
 MSVOA_L
 ClientSampled :

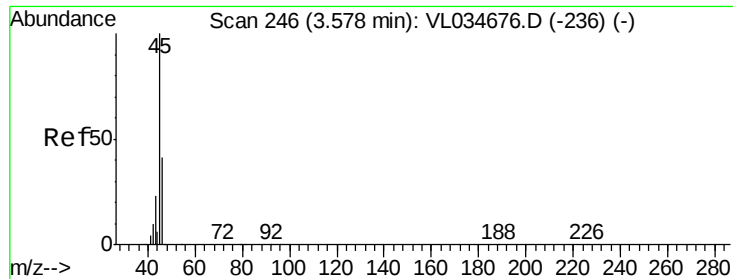
Tot Ion:101 Resp: 1433564
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.2 76.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.750 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. 0.02 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Tgt Ion:101 Resp: 995250
 Ion Ratio Lower Upper
 101 100
 151 71.1 55.8 83.6

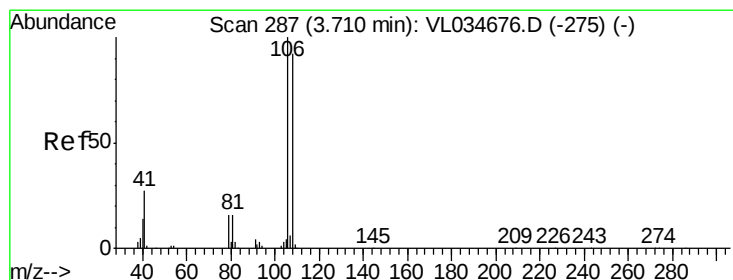
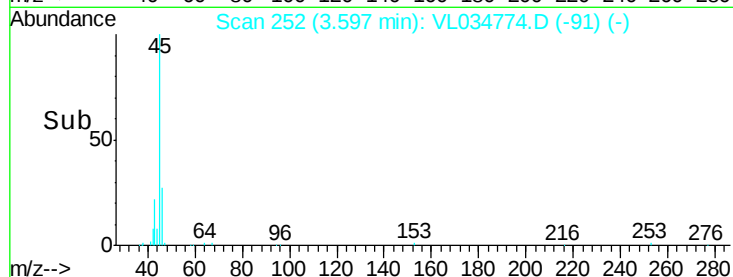
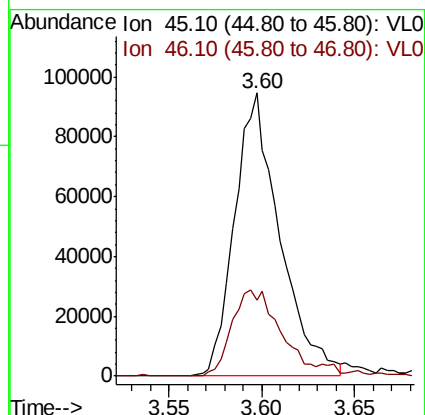
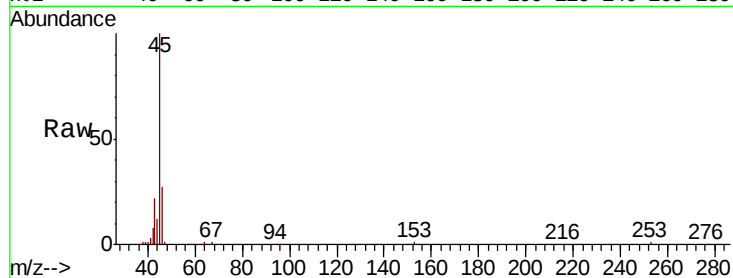




#13
Ethanol
Concen: 9.615 ppbv
RT: 3.60 min Scan# 252
Delta R.T. 0.02 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

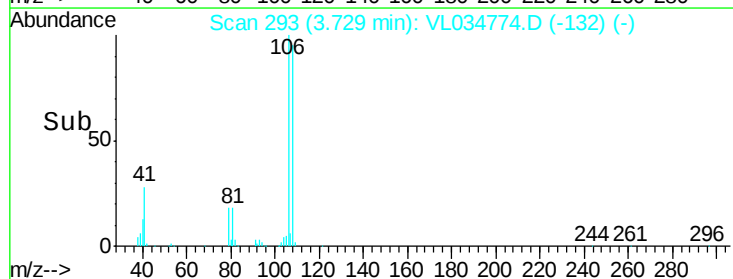
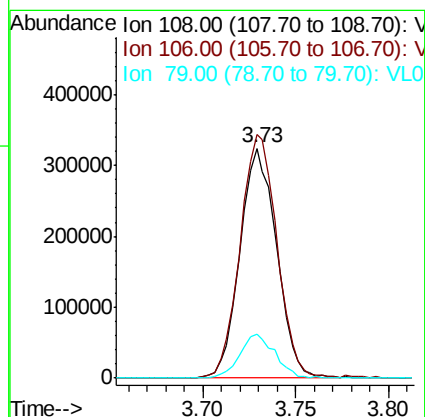
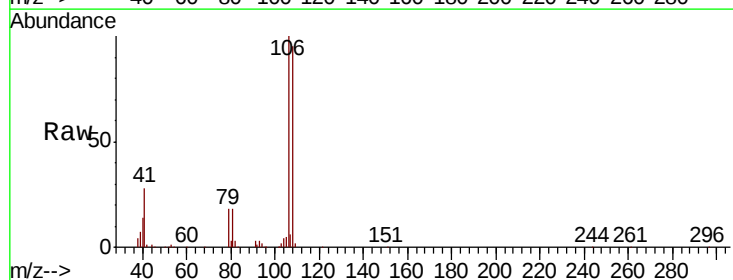
Instrument :
MSVOA_L
ClientSampleId :

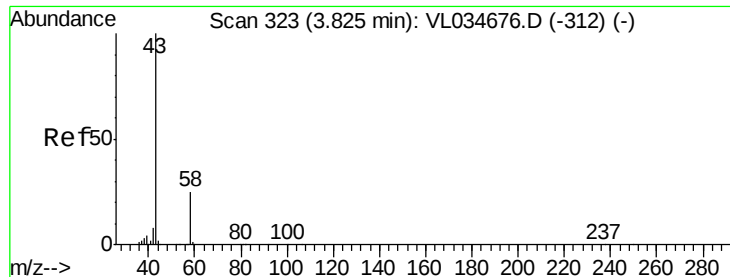
Tot Ion: 45 Resp: 160020
Ion Ratio Lower Upper
45 100
46 35.2 15.4 61.4



#14
Bromoethene
Concen: 9.382 ppbv
RT: 3.73 min Scan# 293
Delta R.T. 0.02 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Tgt Ion: 108 Resp: 445250
Ion Ratio Lower Upper
108 100
106 107.4 86.7 130.1
79 18.4 15.0 22.6





#15

Acetone

Concen: 9.463 ppbv

RT: 3.84 min Scan# 328

Delta R.T. 0.02 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

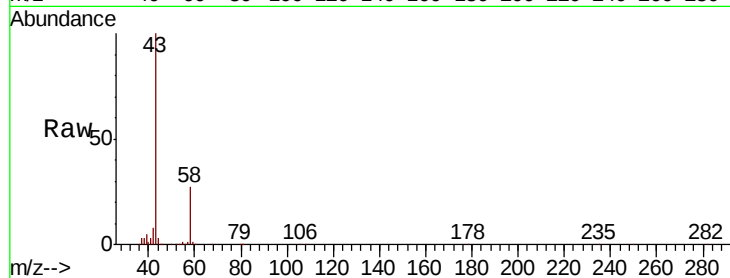
ClientSampleId :

Tot Ion: 43 Resp: 1259248

Ion Ratio Lower Upper

43 100

58 26.8 21.4 32.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

800000

600000

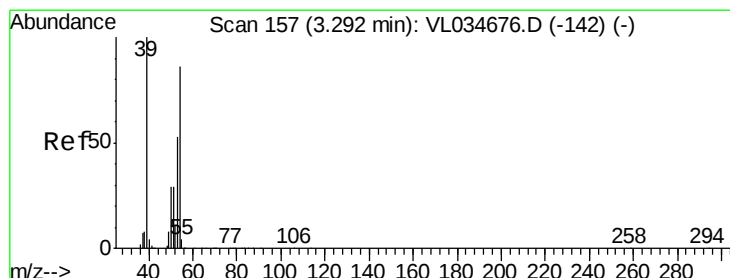
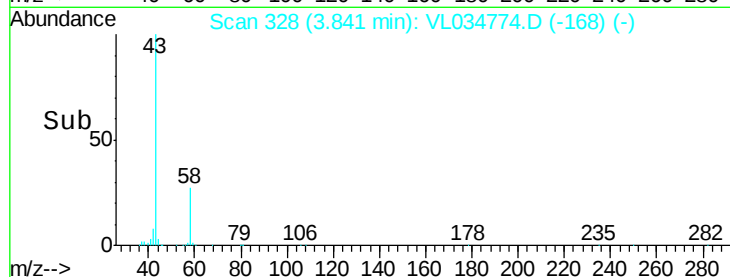
400000

200000

0

3.80 3.85 3.90

Time-->



#16

1,3-Butadiene

Concen: 10.054 ppbv

RT: 3.31 min Scan# 163

Delta R.T. 0.02 min

Lab File: VL034774.D

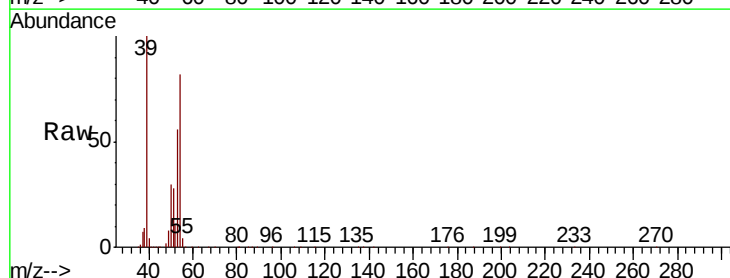
Acq: 3 Mar 2020 21:47

Tgt Ion: 39 Resp: 619320

Ion Ratio Lower Upper

39 100

54 78.1 67.0 100.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

500000

400000

300000

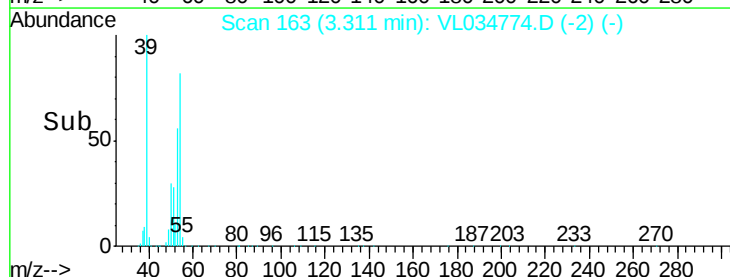
200000

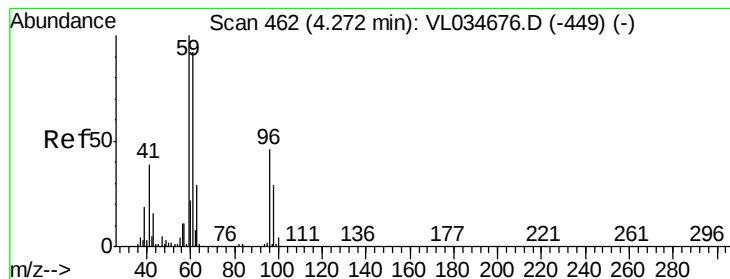
100000

0

3.25 3.30 3.35

Time-->





#17

tert-Butyl alcohol

Concen: 11.422 ppbv

RT: 4.29 min Scan# 468

Delta R.T. 0.02 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

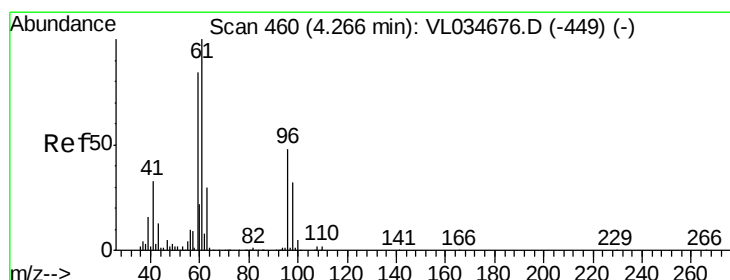
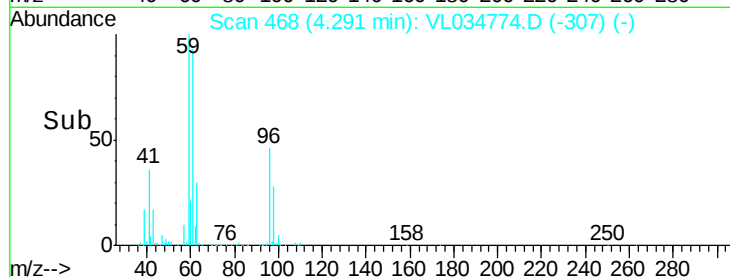
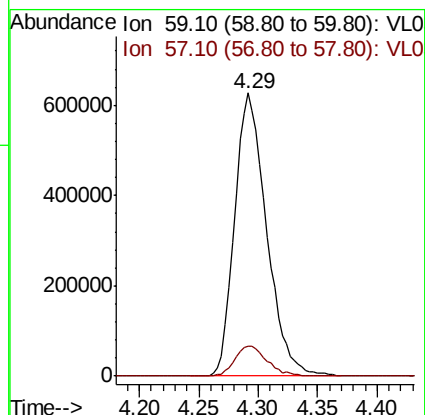
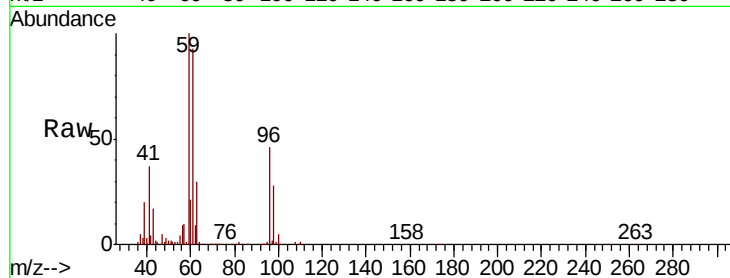
ClientSampleId :

Tot Ion: 59 Resp: 1164755

Ion Ratio Lower Upper

59 100

57 10.7 8.8 13.2



#18

1,1-Dichloroethene

Concen: 8.981 ppbv

RT: 4.29 min Scan# 466

Delta R.T. 0.02 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

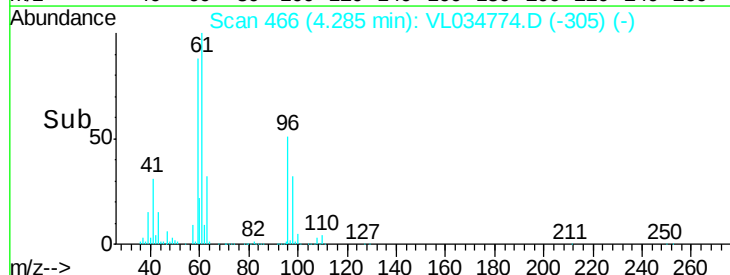
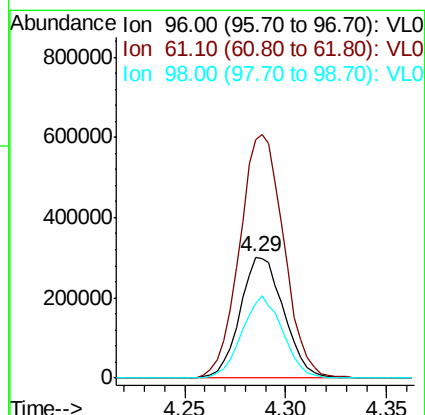
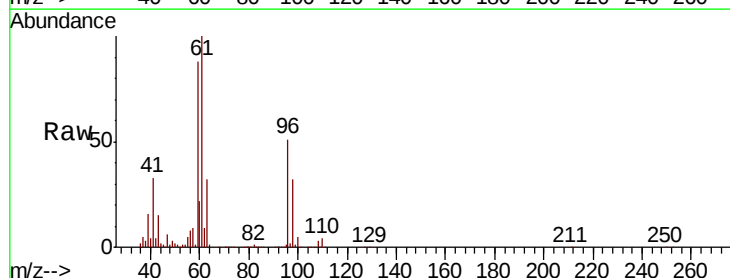
Tgt Ion: 96 Resp: 458618

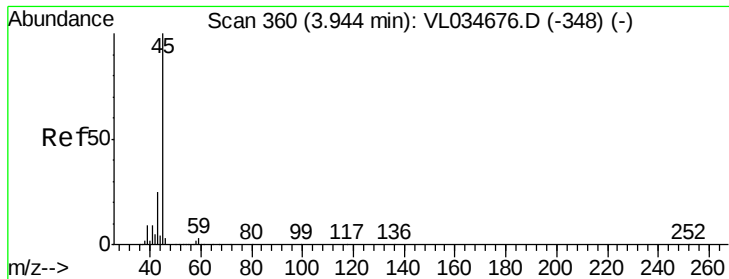
Ion Ratio Lower Upper

96 100

61 196.4 165.1 247.7

98 62.1 52.7 79.1

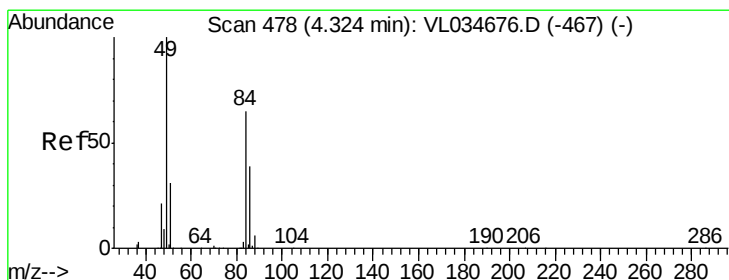
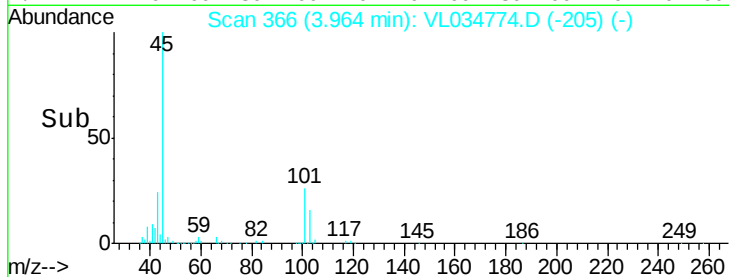
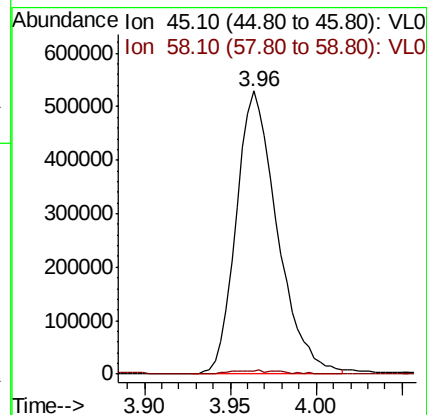
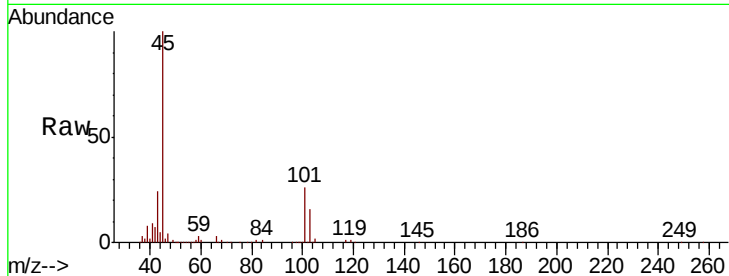




#19
Isopropyl Alcohol
Concen: 11.141 ppbv
RT: 3.96 min Scan# 366
Delta R.T. 0.02 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

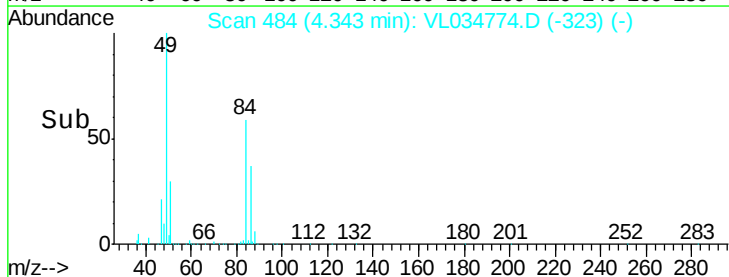
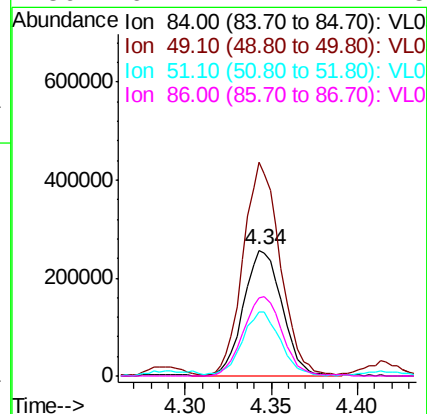
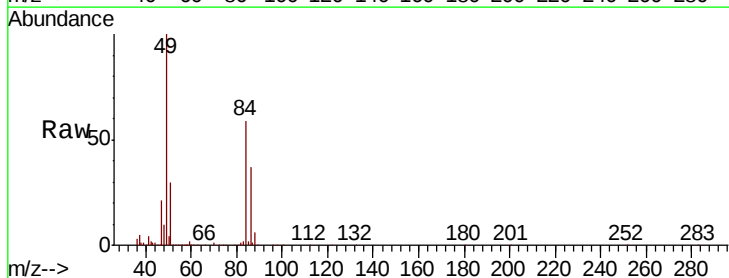
Instrument :
MSVOA_L
ClientSampleId :

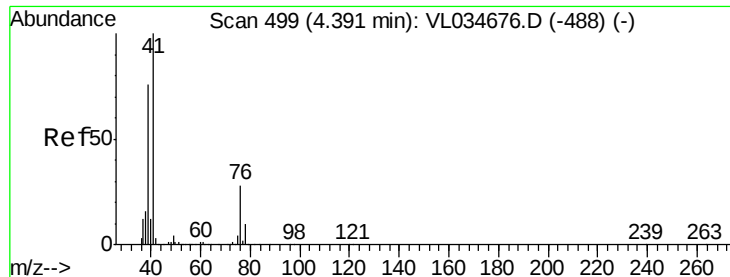
Tot Ion: 45 Resp: 883059
Ion Ratio Lower Upper
45 100
58 1.8 1.8 2.6



#20
Methylene Chloride
Concen: 8.046 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.02 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Tgt Ion: 84 Resp: 398210
Ion Ratio Lower Upper
84 100
49 168.4 122.8 184.2
51 50.1 38.6 58.0
86 62.1 47.7 71.5

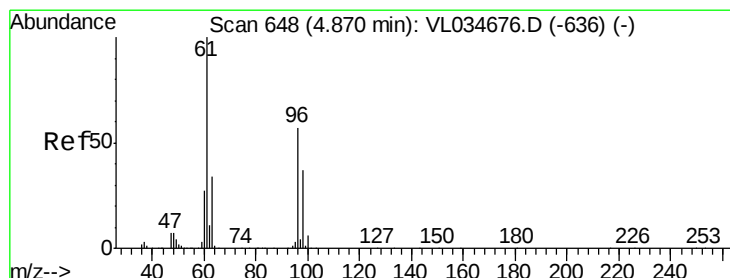
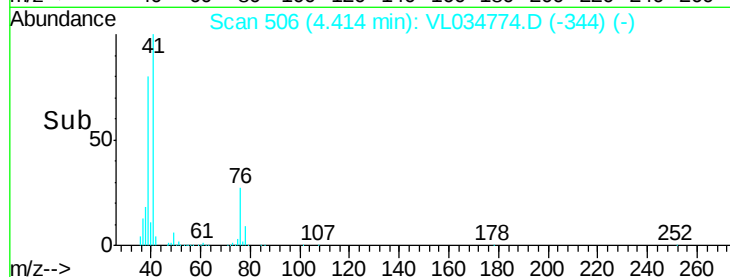
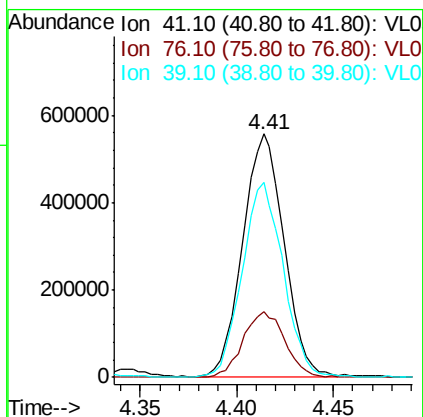
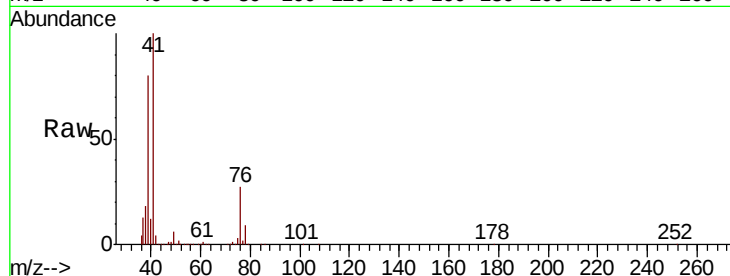




#21
Allvl Chloride
Concen: 9.368 ppbv
RT: 4.41 min Scan# 506
Delta R.T. 0.02 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

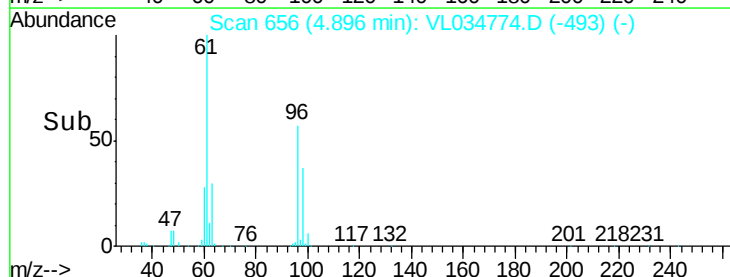
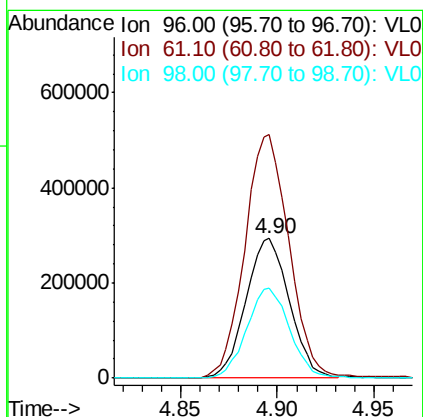
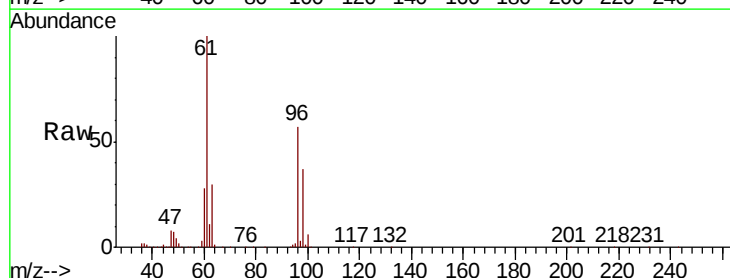
Instrument :
MSVOA_L
ClientSampleId :

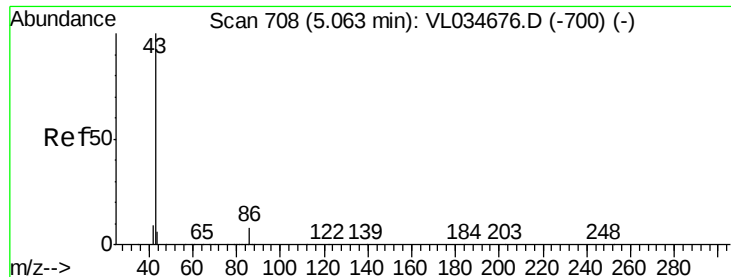
Tot Ion: 41 Resp: 824813
Ion Ratio Lower Upper
41 100
76 27.6 22.8 34.2
39 80.2 61.7 92.5



#22
trans-1,2-Dichloroethene
Concen: 9.237 ppbv
RT: 4.90 min Scan# 656
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Tgt Ion: 96 Resp: 459891
Ion Ratio Lower Upper
96 100
61 174.6 139.4 209.0
98 64.2 51.3 76.9





#23

Vinyl Acetate

Concen: 10.883 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.02 min

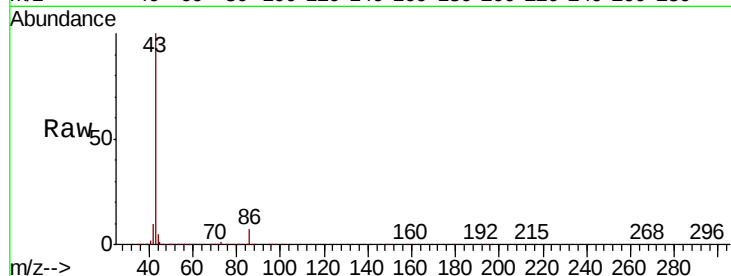
Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

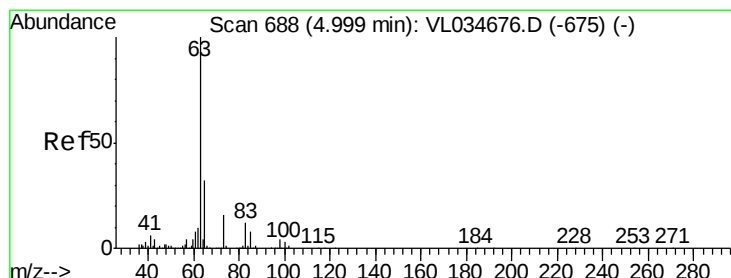
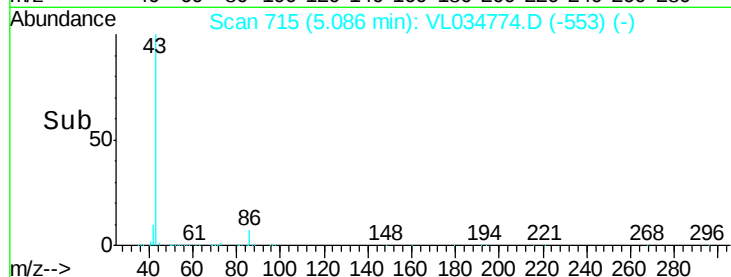
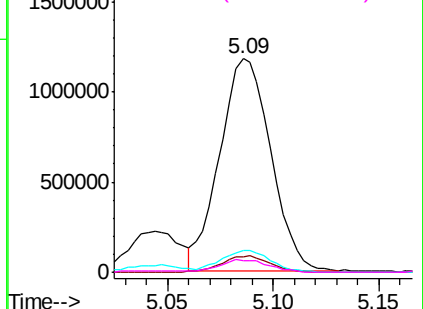
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1968802

Ion	Ratio	Lower	Upper
43	100		
86	7.3	6.0	9.0
42	10.1	8.0	12.0
44	5.0	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: 9.118 ppbv

RT: 5.02 min Scan# 695

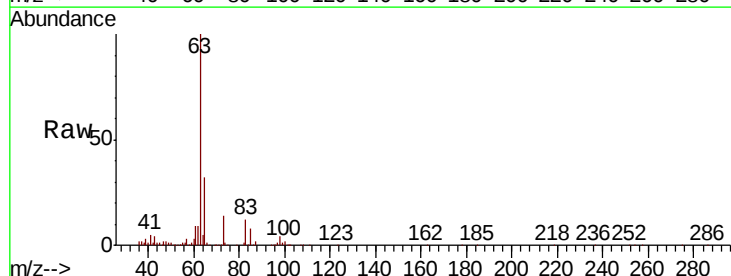
Delta R.T. 0.02 min

Lab File: VL034774.D

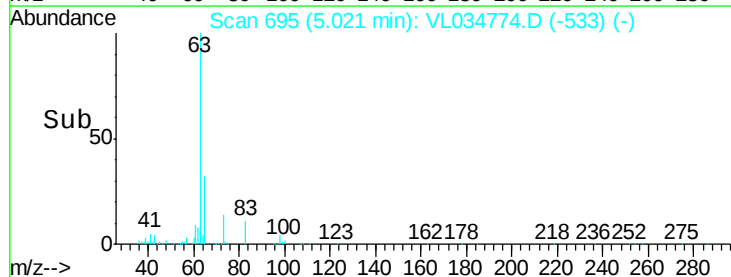
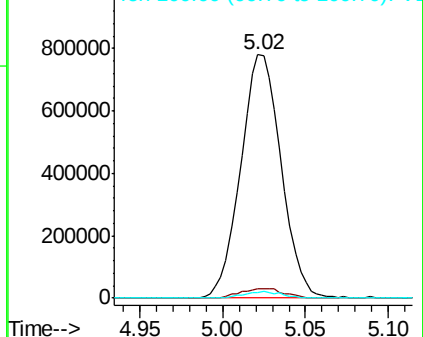
Acq: 3 Mar 2020 21:47

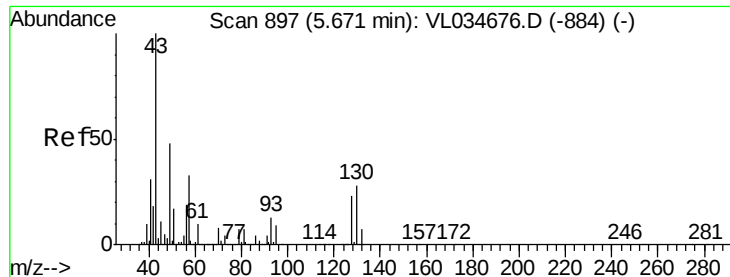
Tgt Ion: 63 Resp: 1317355

Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.1	6.2
100	2.2	1.4	4.0



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0



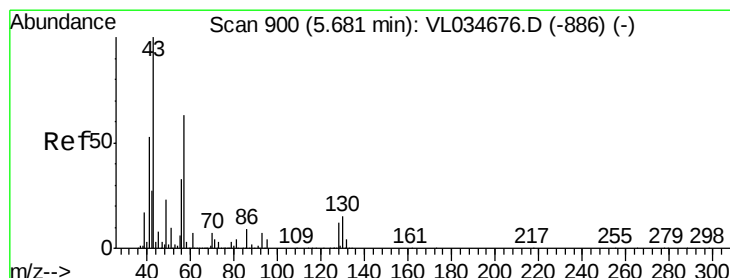
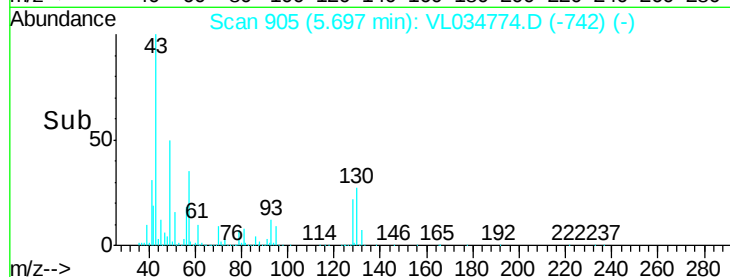
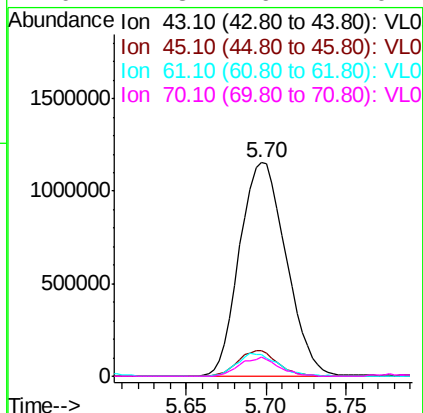
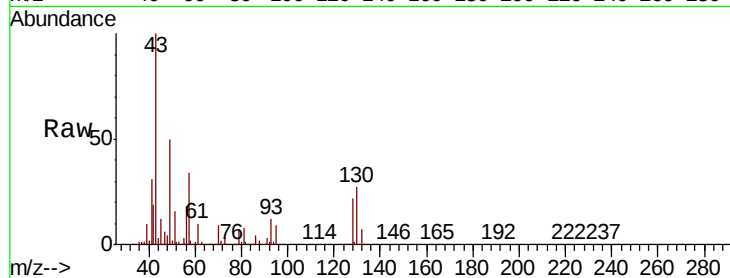


#25
Ethyl Acetate
Concen: 9.748 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2296294

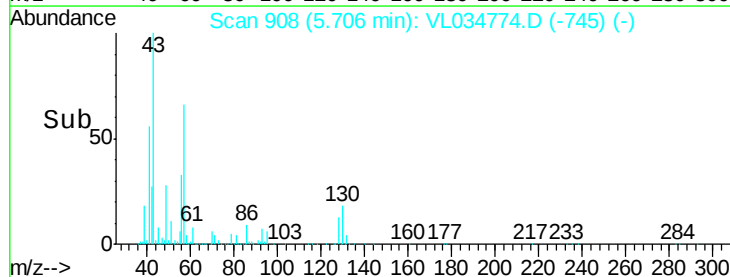
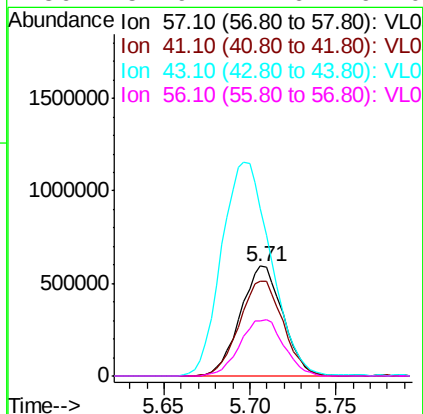
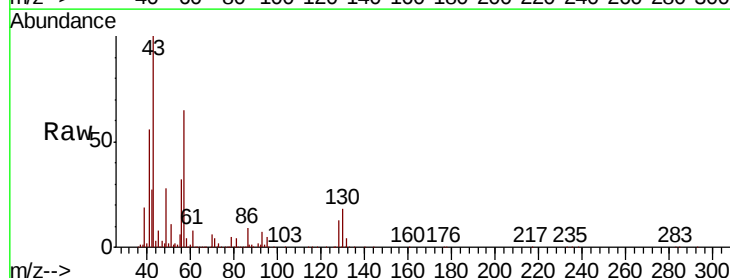
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.2	12.4
61	9.4	7.8	11.6
70	7.3	6.1	9.1

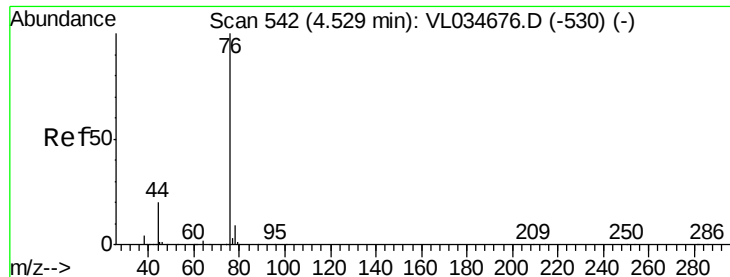


#26
Hexane
Concen: 9.361 ppbv
RT: 5.71 min Scan# 908
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Tgt Ion: 57 Resp: 1016302

Ion	Ratio	Lower	Upper
57	100		
41	89.8	70.3	105.5
43	227.7	177.0	265.4
56	52.9	42.6	64.0





#27

Carbon Disulfide

Concen: 9.457 ppbv

RT: 4.55 min Scan# 549

Delta R.T. 0.02 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

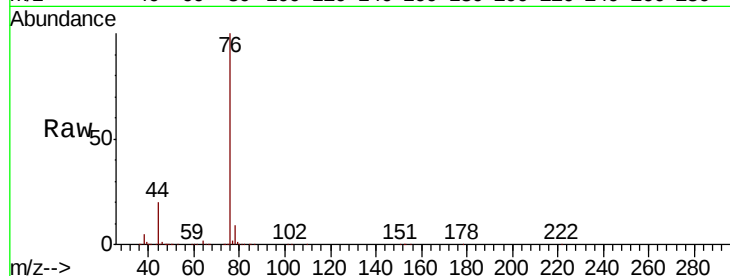
Tot Ion: 76 Resp: 1165519

Ion Ratio Lower Upper

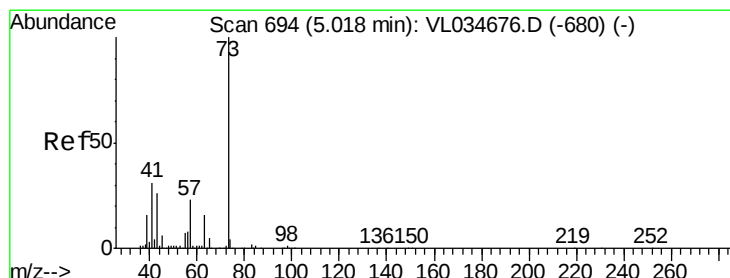
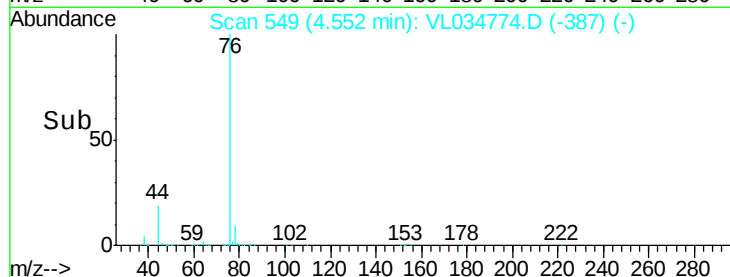
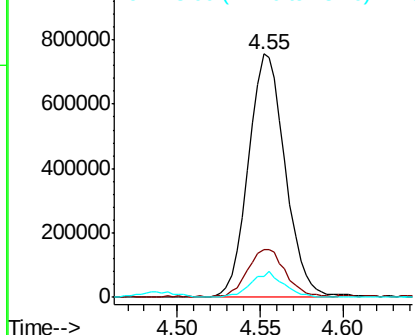
76 100

44 20.8 15.3 22.9

78 9.2 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: 9.833 ppbv

RT: 5.04 min Scan# 702

Delta R.T. 0.03 min

Lab File: VL034774.D

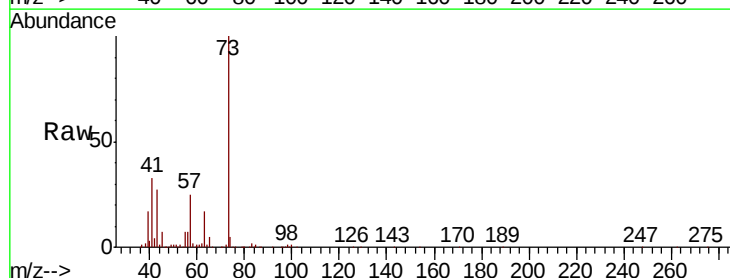
Acq: 3 Mar 2020 21:47

Tgt Ion: 73 Resp: 1525093

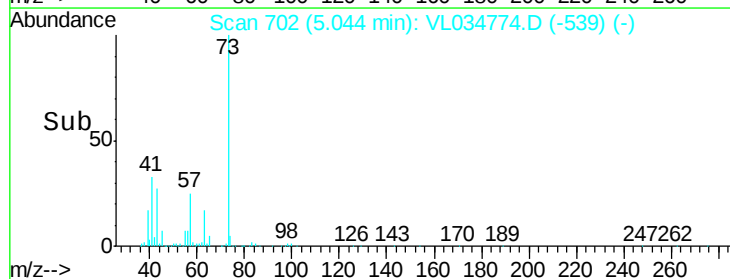
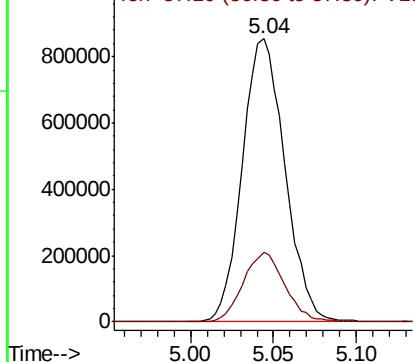
Ion Ratio Lower Upper

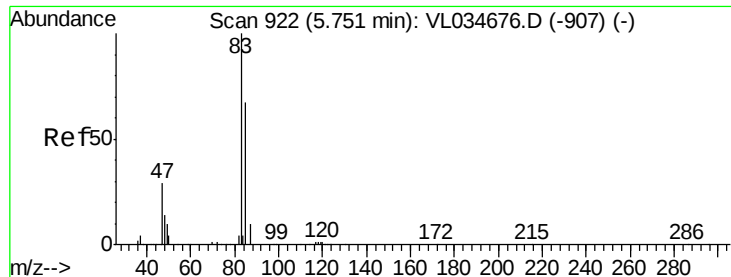
73 100

57 24.1 18.6 28.0



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

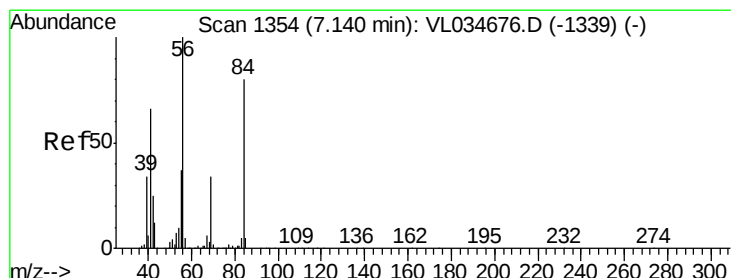
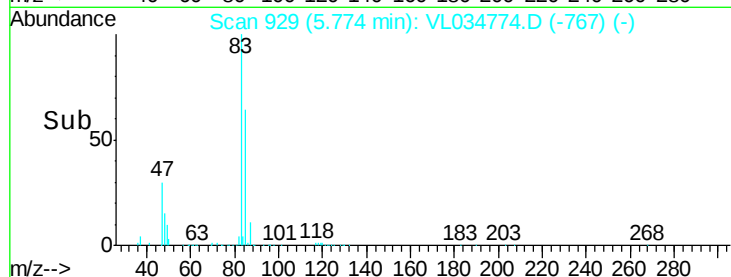
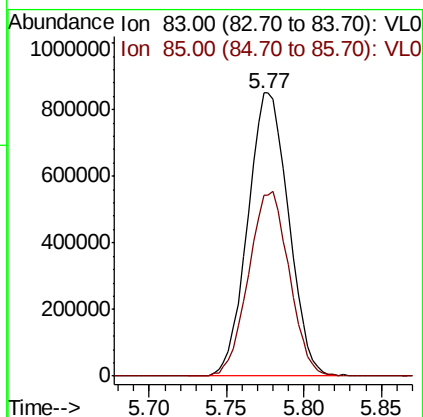
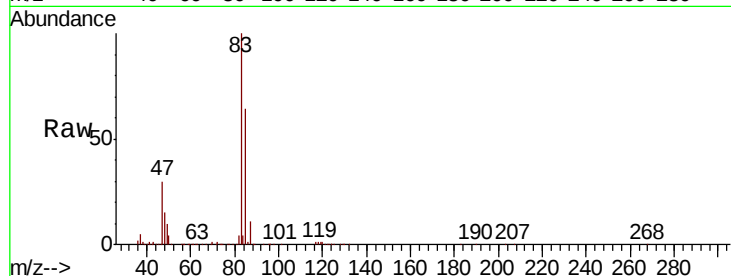




#29
Chloroform
Concen: 9.039 ppbv
RT: 5.77 min Scan# 929
Delta R.T. 0.02 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

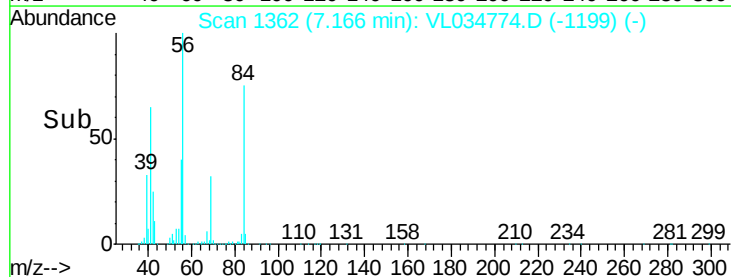
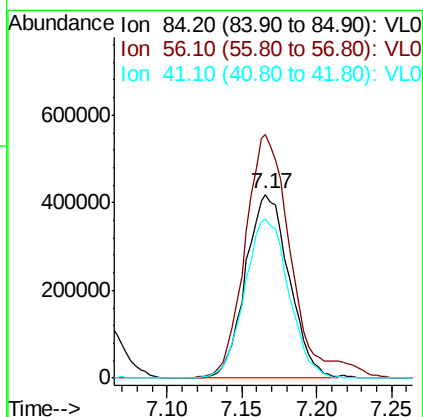
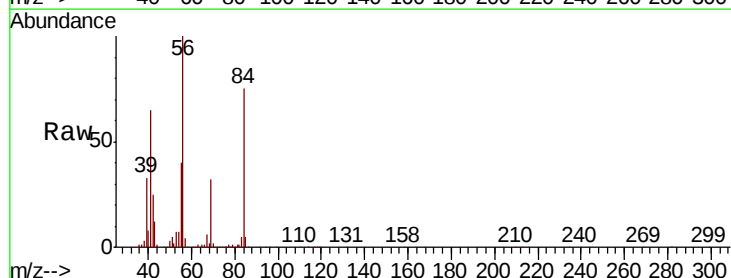
Instrument :
MSVOA_L
ClientSampleId :

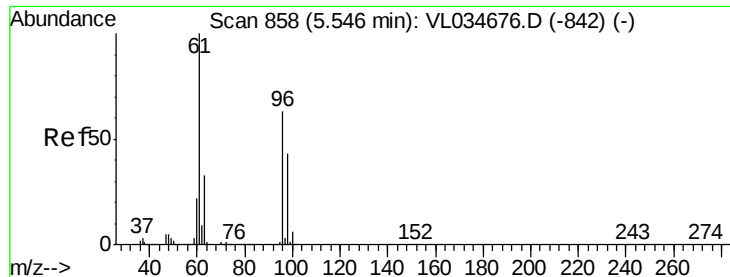
Tot Ion: 83 Resp: 1563507
Ion Ratio Lower Upper
83 100
85 63.6 53.9 80.9



#30
Cyclohexane
Concen: 10.071 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Tgt Ion: 84 Resp: 847407
Ion Ratio Lower Upper
84 100
56 140.4 113.4 170.2
41 88.1 68.2 102.4



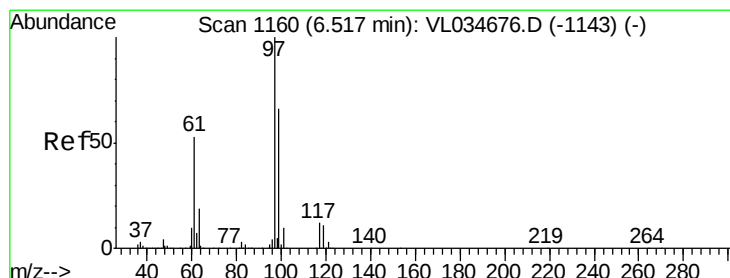
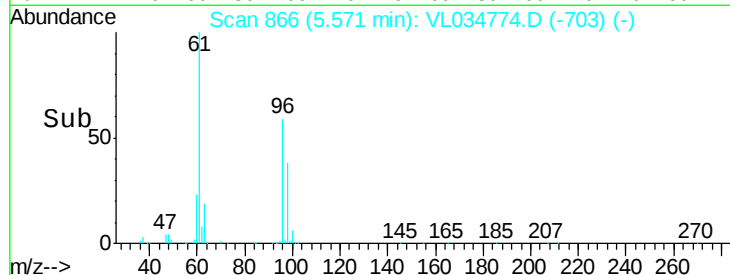
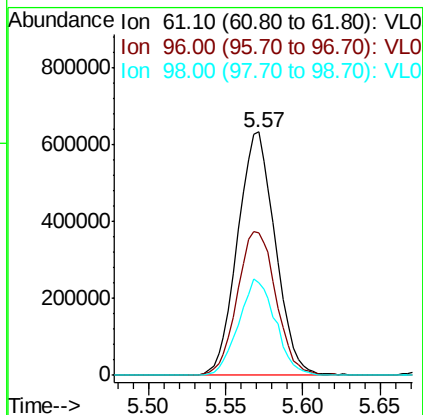
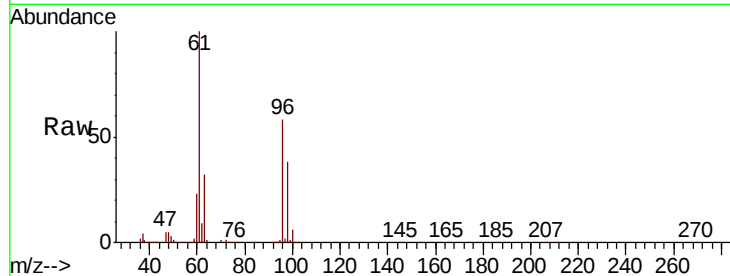


#31

cis-1,2-Dichloroethene
 Concen: 10.055 ppbv
 RT: 5.57 min Scan# 866
 Delta R.T. 0.03 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Instrument :
 MSVOA_L
 ClientSampleId :

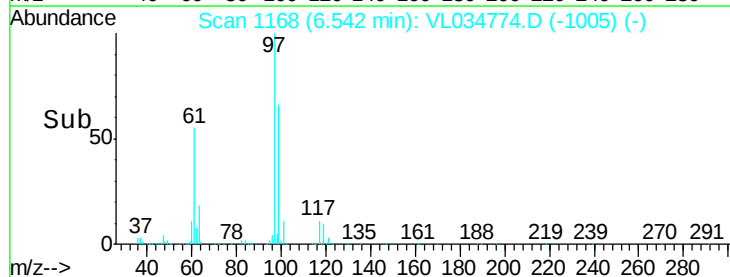
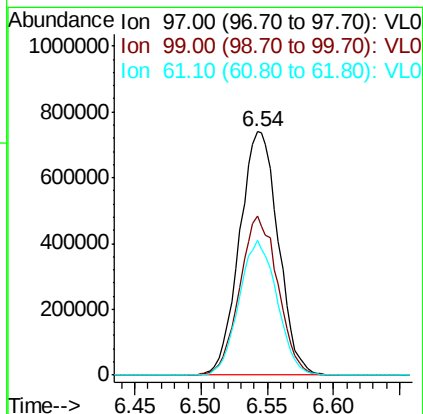
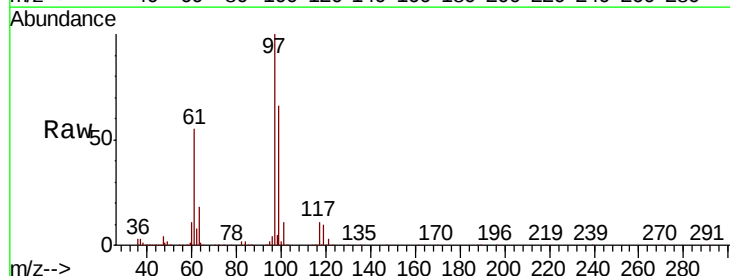
Tot Ion: 61 Resp: 1074280
 Ion Ratio Lower Upper
 61 100
 96 58.3 50.2 75.2
 98 38.1 34.3 51.5

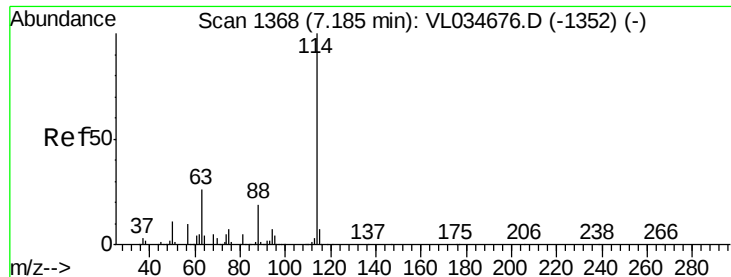


#32

1,1,1-Trichloroethane
 Concen: 9.297 ppbv
 RT: 6.54 min Scan# 1168
 Delta R.T. 0.03 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Tgt Ion: 97 Resp: 1501802
 Ion Ratio Lower Upper
 97 100
 99 64.3 52.3 78.5
 61 54.1 42.8 64.2

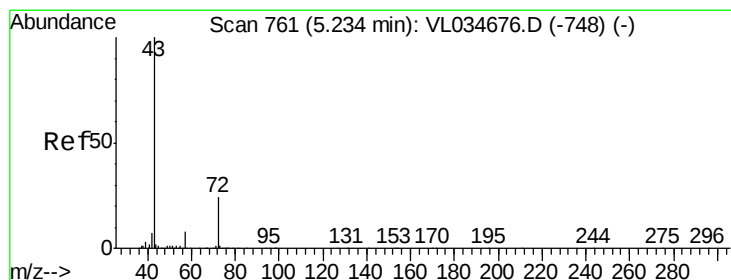
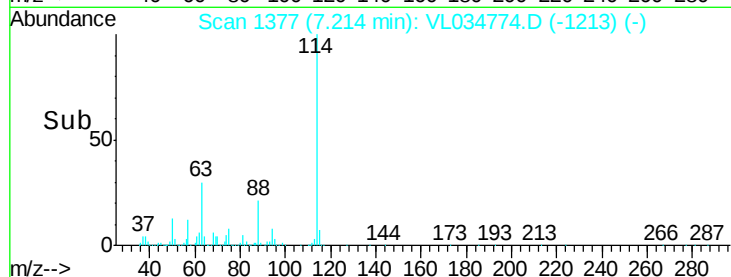
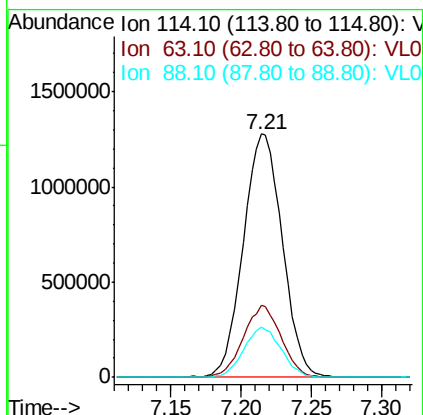
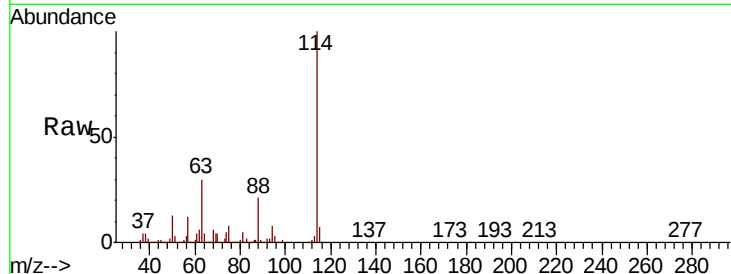




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1377
 Delta R.T. 0.03 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

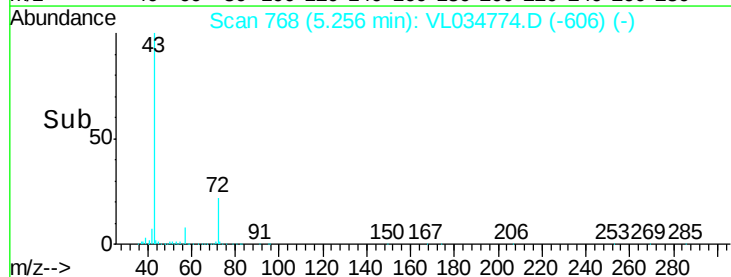
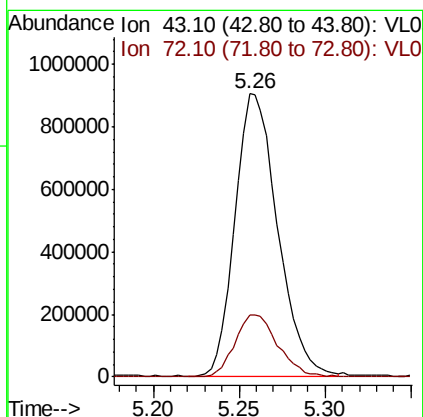
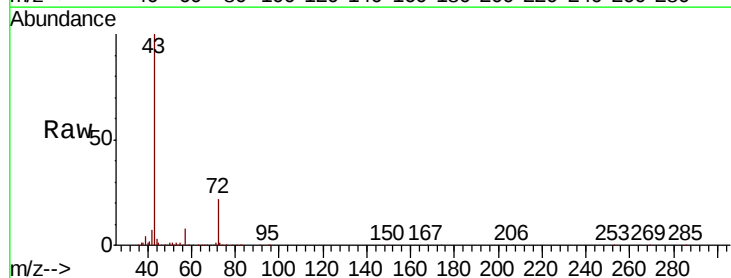
Instrument :
 MSVOA_L
 ClientSampleId :

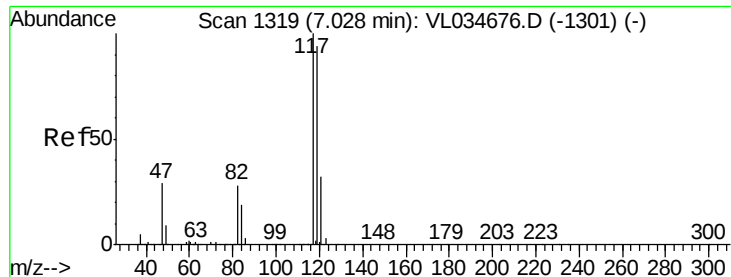
Tot Ion:114 Resp: 2476420
 Ion Ratio Lower Upper
 114 100
 63 28.9 22.9 34.3
 88 20.0 15.8 23.6



#34
 2-Butanone
 Concen: 10.035 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. 0.02 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Tgt Ion: 43 Resp: 1564167
 Ion Ratio Lower Upper
 43 100
 72 22.2 18.2 27.2





#35

Carbon Tetrachloride

Concen: 9.242 ppbv

RT: 7.06 min Scan# 1328

Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

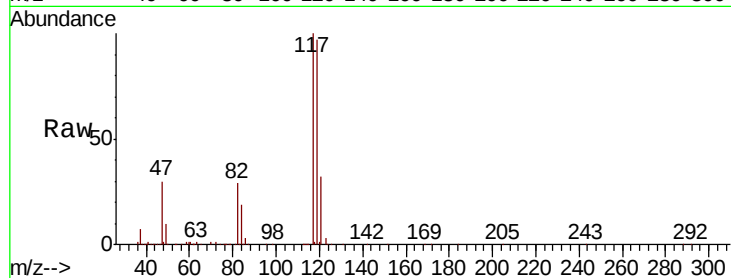
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:117 Resp: 1532734

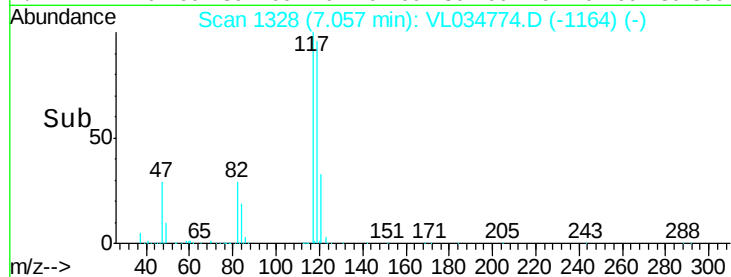
Ion	Ratio	Lower	Upper
117	100		
119	96.9	75.5	113.3
121	32.3	25.4	38.0



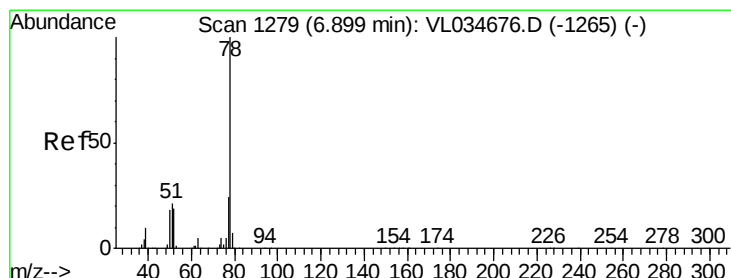
Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



Time-->



#36

Benzene

Concen: 9.601 ppbv

RT: 6.93 min Scan# 1288

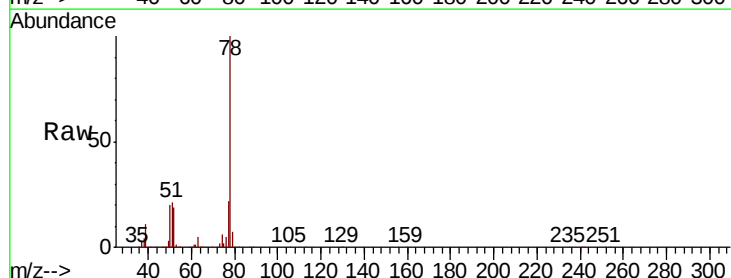
Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Tgt Ion: 78 Resp: 2053598

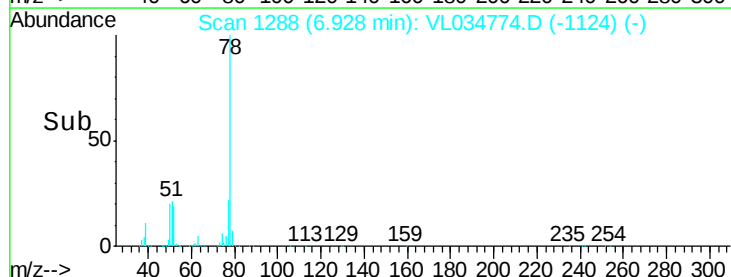
Ion	Ratio	Lower	Upper
78	100		
77	22.3	19.5	29.3
50	20.0	14.6	21.8



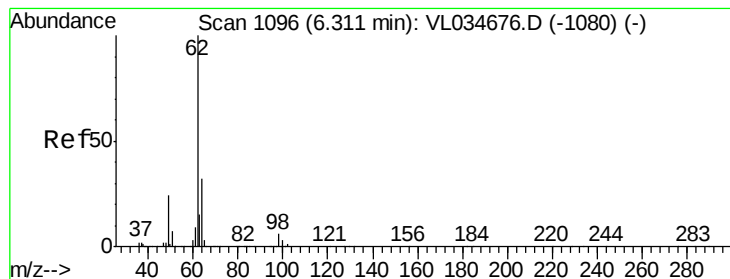
Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



Time-->



#37

1,2-Dichloroethane

Concen: 9.375 ppbv

RT: 6.34 min Scan# 1105

Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

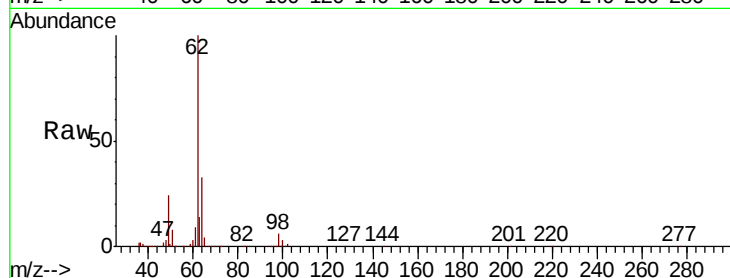
ClientSampleId :

Tot Ion: 62 Resp: 1263977

Ion Ratio Lower Upper

62 100

98 6.0 4.7 7.1



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

800000

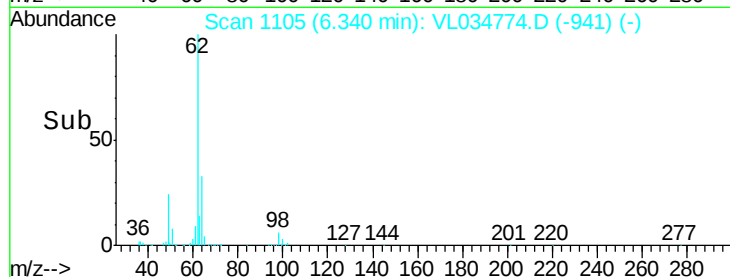
600000

400000

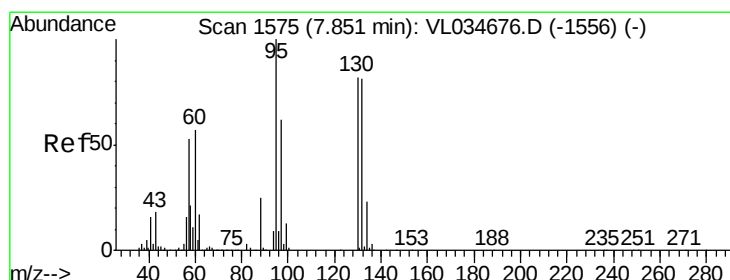
200000

0

Time-->



Time-->



#38

Trichloroethene

Concen: 9.267 ppbv

RT: 7.88 min Scan# 1584

Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Tgt Ion: 130 Resp: 764027

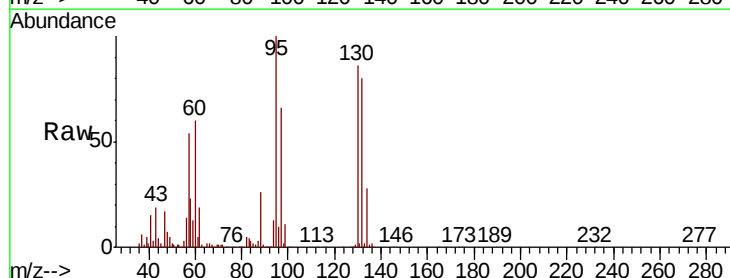
Ion Ratio Lower Upper

130 100

95 116.5 97.1 145.7

132 93.6 78.3 117.5

97 76.8 60.1 90.1



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

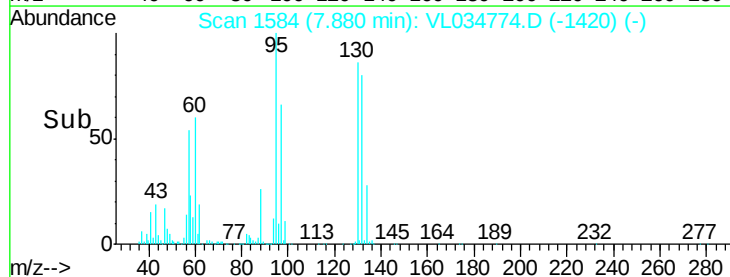
600000

400000

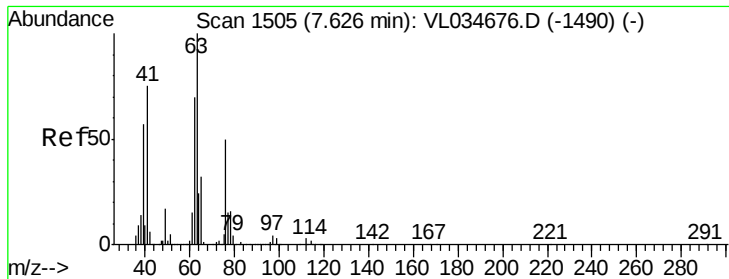
200000

0

Time-->



Time-->



#39

1,2-Dichloropropane

Concen: 9.574 ppbv

RT: 7.66 min Scan# 1515

Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

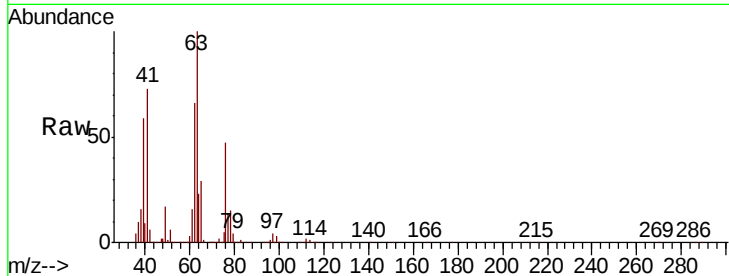
Tot Ion: 63 Resp: 814696

Ion Ratio Lower Upper

63 100

41 73.2 60.2 90.4

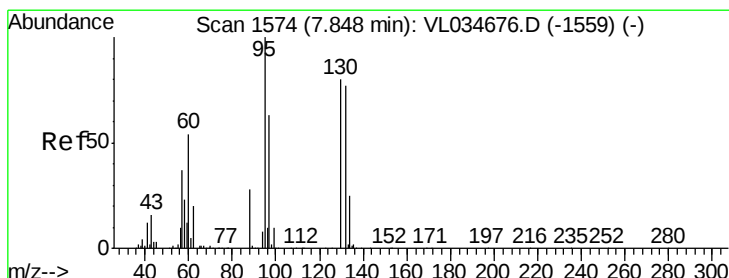
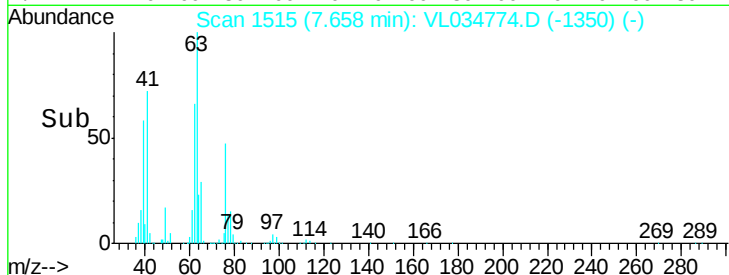
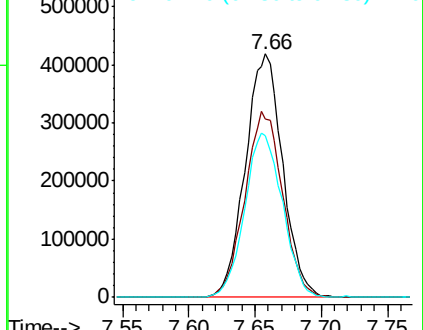
62 66.5 56.3 84.5



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: 10.530 ppbv

RT: 7.87 min Scan# 1582

Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Tgt Ion: 88 Resp: 304725

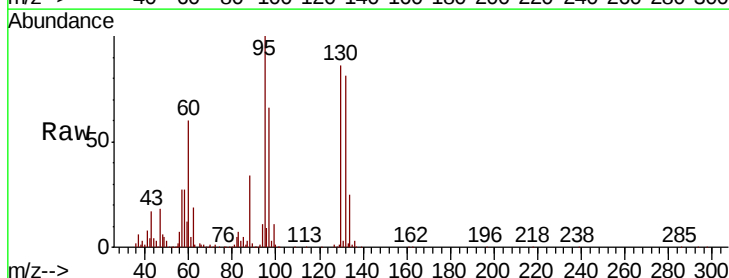
Ion Ratio Lower Upper

88 100

58 134.5 104.6 156.8

43 0.0 212.9 319.3#

57 0.0 935.2 1402.8#

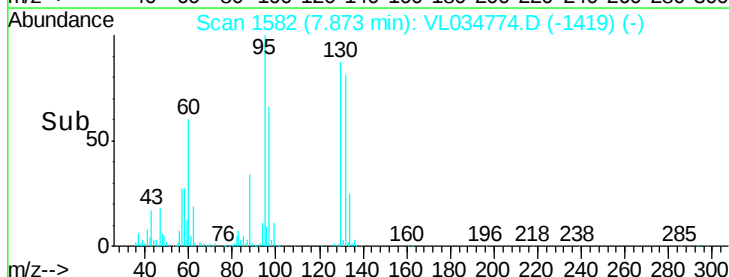
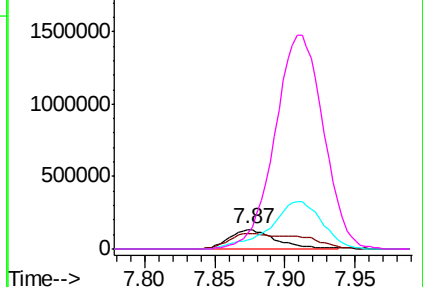


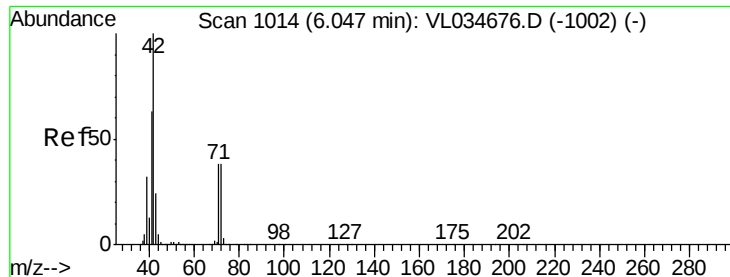
Abundance Ion 88.10 (87.80 to 88.80): VL0

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

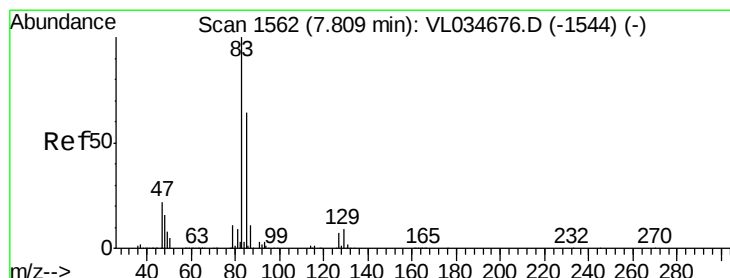
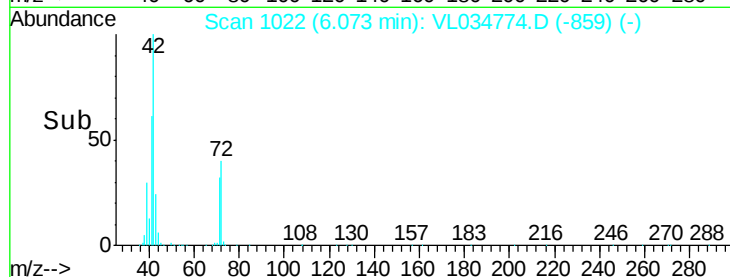
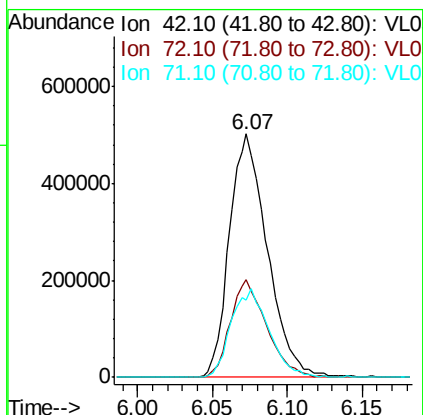
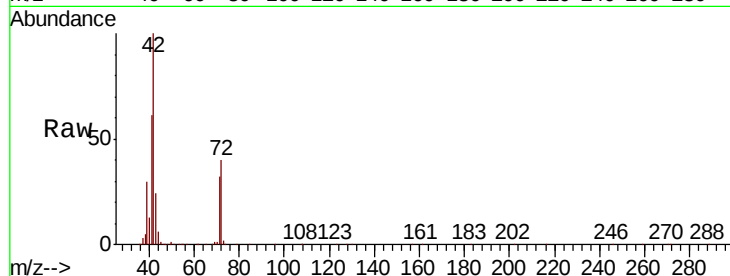




#41
Tetrahydrofuran
Concen: 10.756 ppbv
RT: 6.07 min Scan# 1022
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

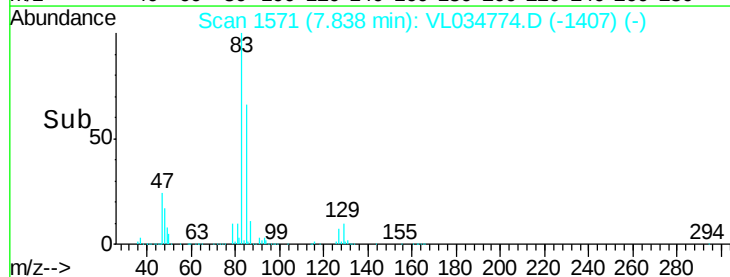
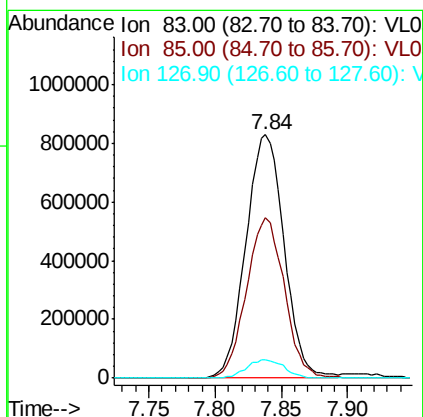
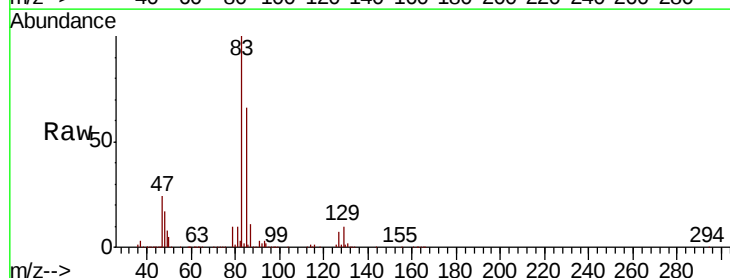
Instrument :
MSVOA_L
ClientSampleId :

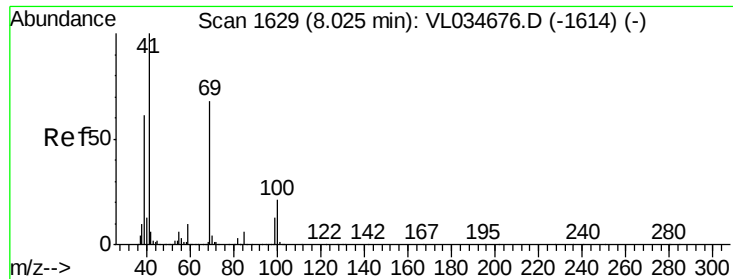
Tot Ion: 42 Resp: 884929
Ion Ratio Lower Upper
42 100
72 38.5 31.7 47.5
71 36.4 30.7 46.1



#42
Bromodichloromethane
Concen: 9.456 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Tgt Ion: 83 Resp: 1669065
Ion Ratio Lower Upper
83 100
85 65.9 51.1 76.7
127 7.5 5.8 8.8

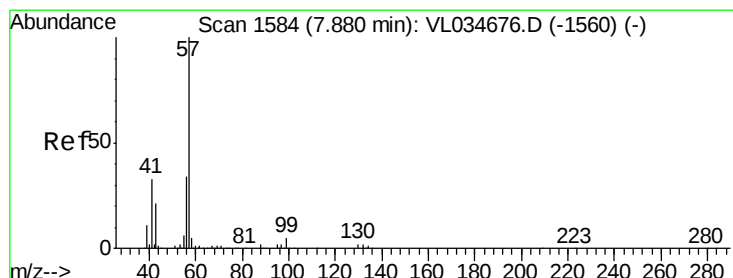
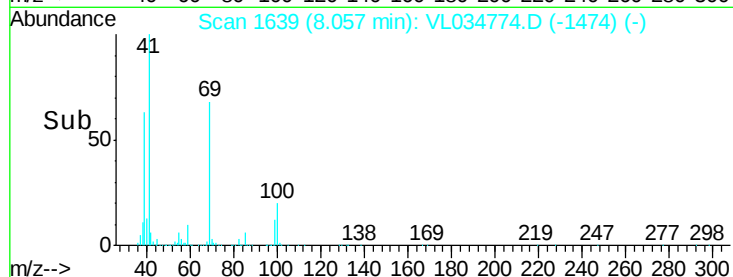
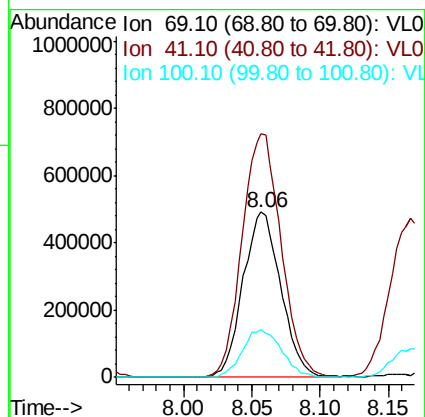
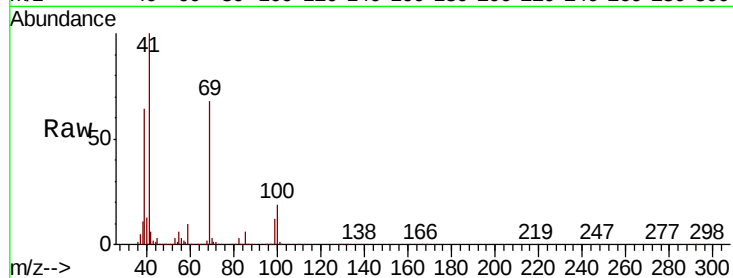




#43
Methyl Methacrylate
Concen: 10.520 ppbv
RT: 8.06 min Scan# 1639
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

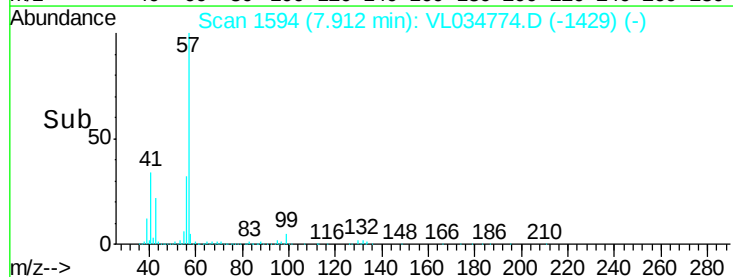
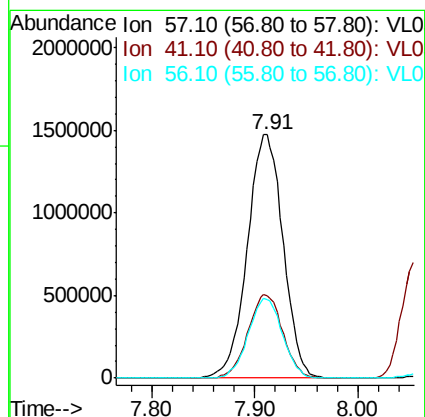
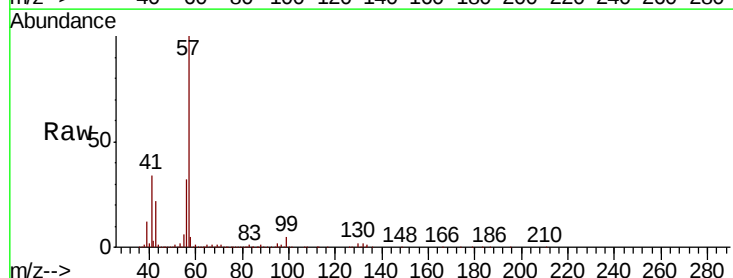
Instrument :
MSVOA_L
ClientSampled :

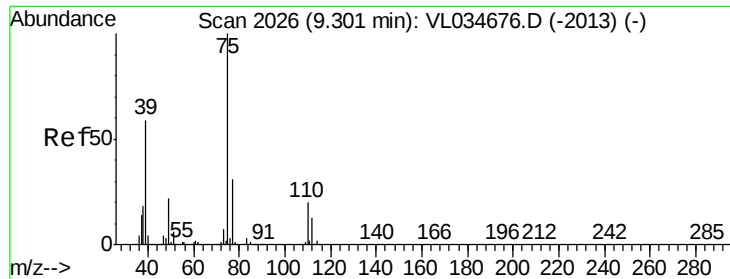
Tot Ion: 69 Resp: 946424
Ion Ratio Lower Upper
69 100
41 152.0 118.2 177.2
100 30.3 24.2 36.2



#44
2,2,4-Trimethylpentane
Concen: 9.459 ppbv
RT: 7.91 min Scan# 1594
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Tgt Ion: 57 Resp: 3536063
Ion Ratio Lower Upper
57 100
41 33.3 26.0 39.0
56 31.6 25.6 38.4

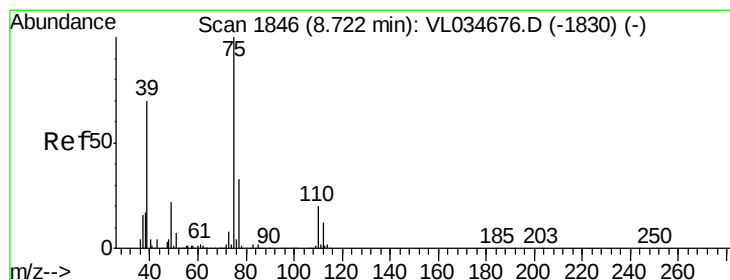
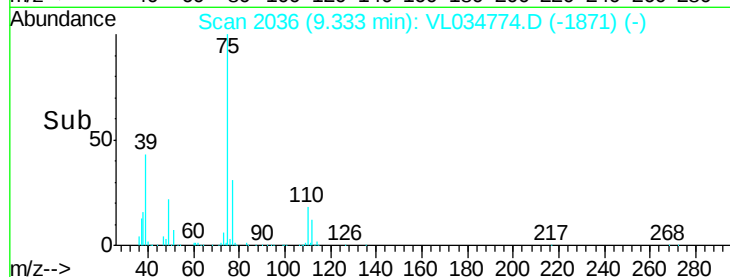
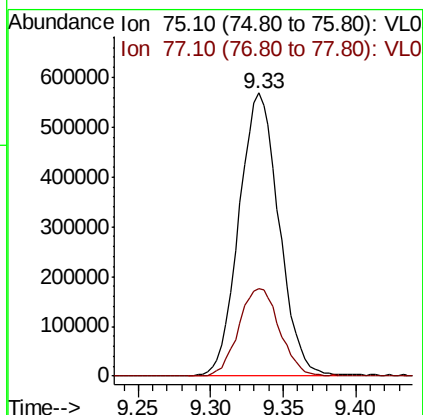
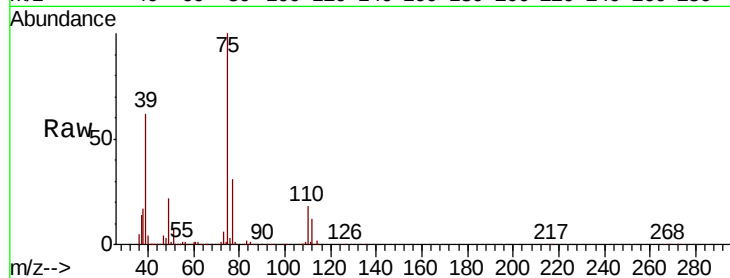




#45
t-1,3-Dichloropropene
Concen: 11.107 ppbv
RT: 9.33 min Scan# 2036
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

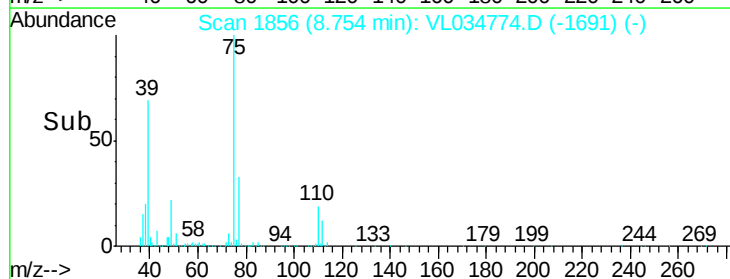
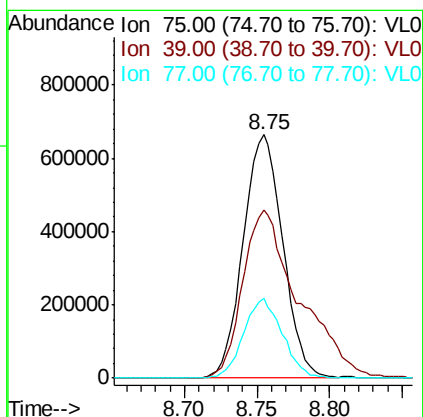
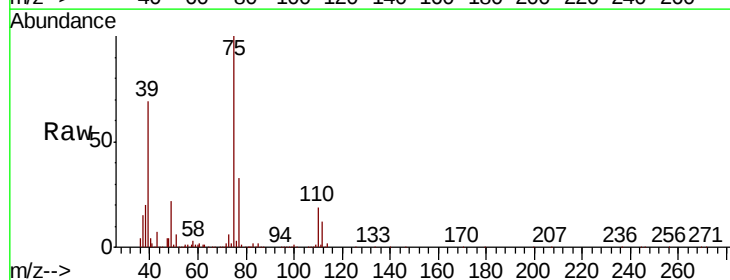
Instrument :
MSVOA_L
ClientSampleId :

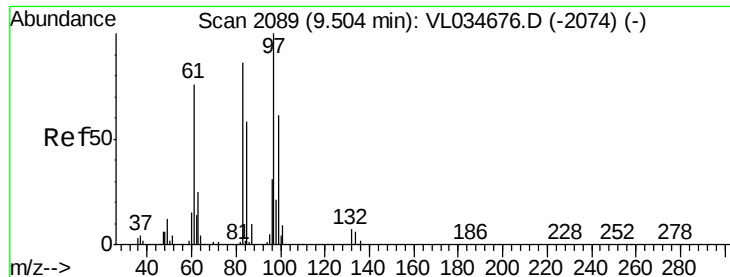
Tot Ion: 75 Resp: 1090356
Ion Ratio Lower Upper
75 100
77 30.8 25.3 37.9



#46
cis-1,3-Dichloropropene
Concen: 10.740 ppbv
RT: 8.75 min Scan# 1856
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Tgt Ion: 75 Resp: 1264505
Ion Ratio Lower Upper
75 100
39 68.9 55.7 83.5
77 32.6 26.3 39.5

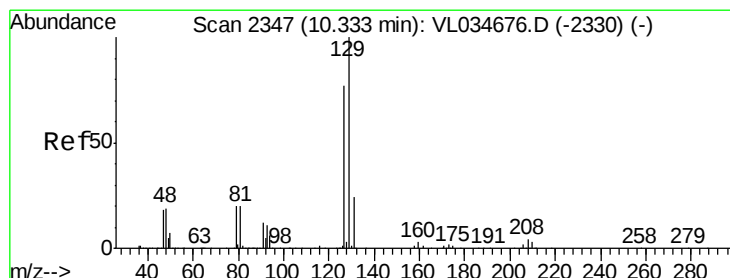
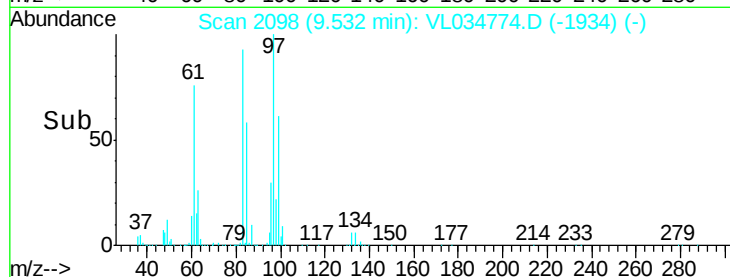
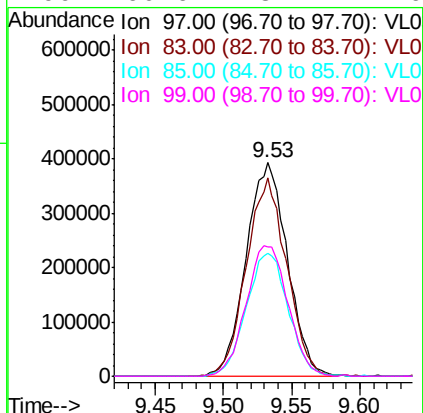
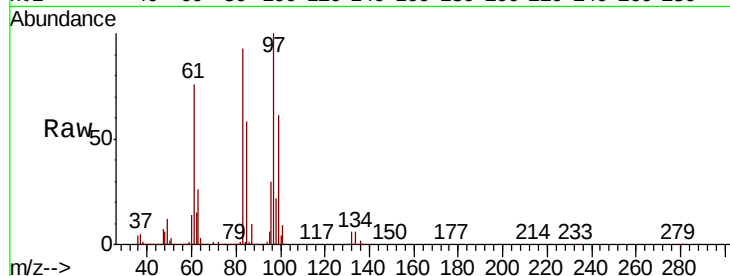




#47
 1,1,2-Trichloroethane
 Concen: 9.449 ppbv
 RT: 9.53 min Scan# 2098
 Delta R.T. 0.03 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

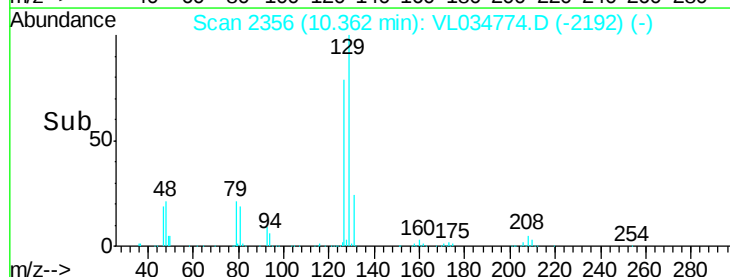
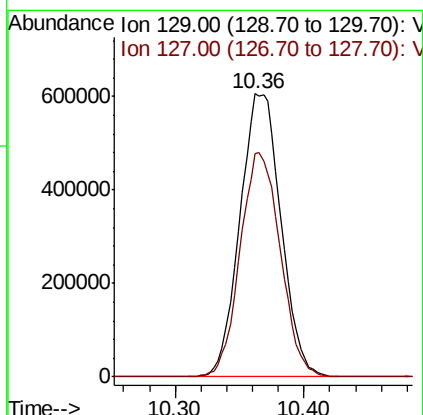
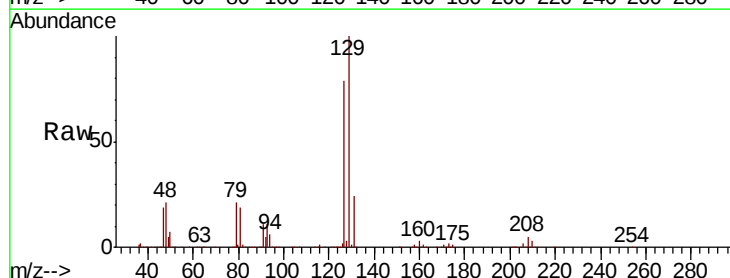
Instrument :
 MSVOA_L
 ClientSampled :

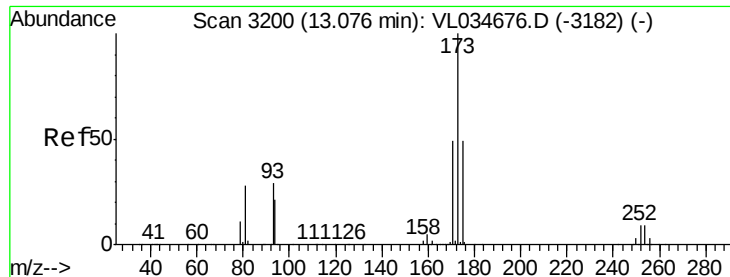
Tot Ion	97	Resp	824926
Ion	Ratio	Lower	Upper
97	100		
83	92.5	69.4	104.0
85	57.7	46.4	69.6
99	60.6	48.4	72.6



#48
 Dibromochloromethane
 Concen: 9.888 ppbv
 RT: 10.36 min Scan# 2356
 Delta R.T. 0.03 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Tgt Ion	129	Resp	1342262
Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.3	117.8





#49

Bromoform

Concen: 9.878 ppbv

RT: 13.11 min Scan# 3211

Delta R.T. 0.04 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

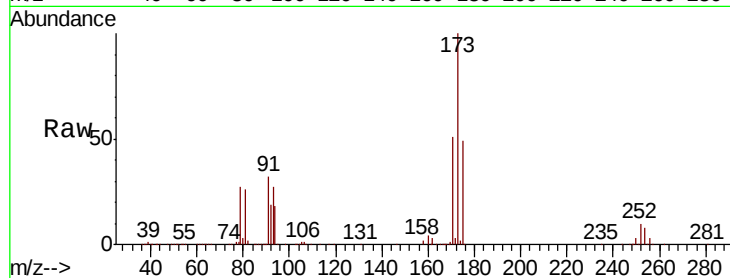
Tot Ion:173 Resp: 1162636

Ion Ratio Lower Upper

173 100

175 48.8 38.6 58.0

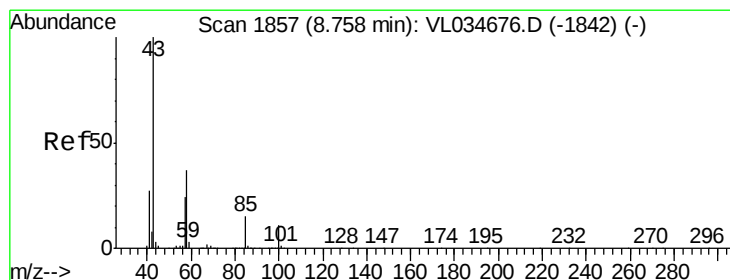
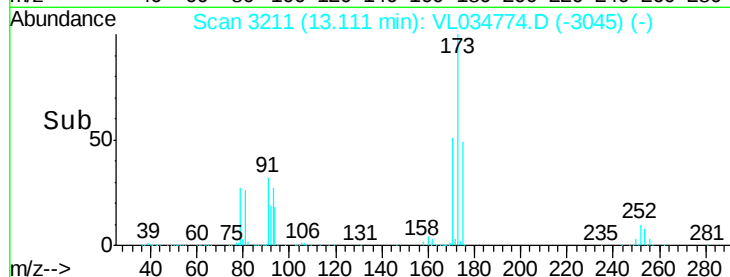
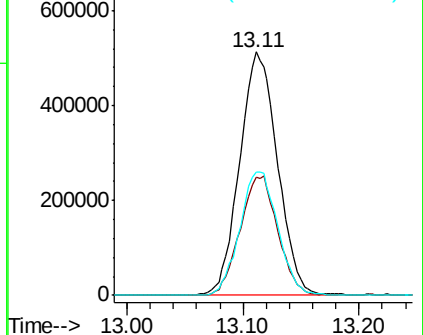
171 51.2 41.5 62.3



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: 10.242 ppbv

RT: 8.79 min Scan# 1866

Delta R.T. 0.03 min

Lab File: VL034774.D

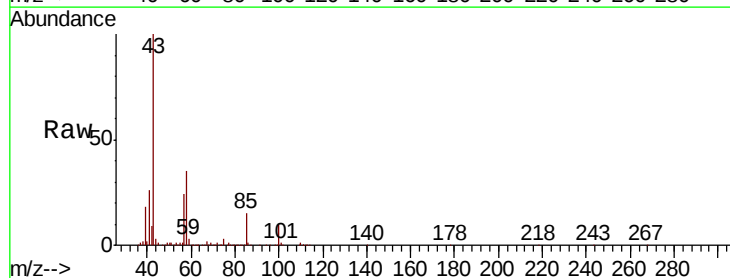
Acq: 3 Mar 2020 21:47

Tgt Ion: 43 Resp: 2261170

Ion Ratio Lower Upper

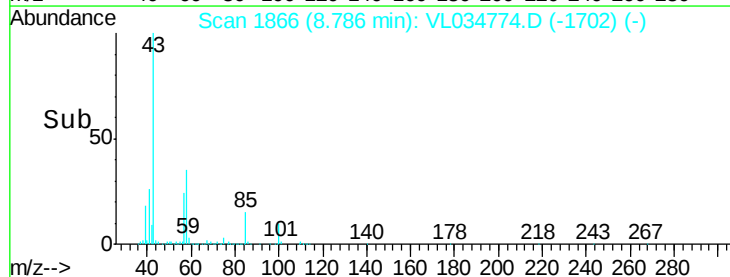
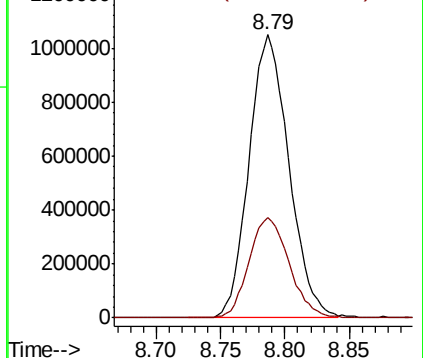
43 100

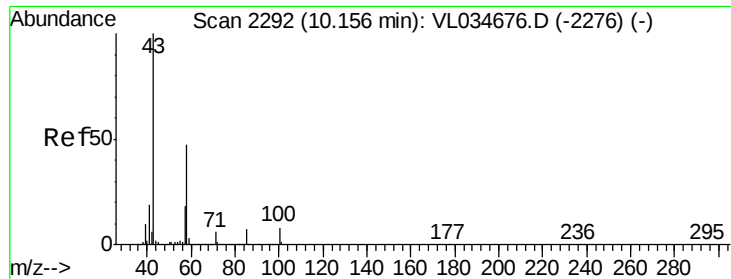
58 35.8 29.0 43.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

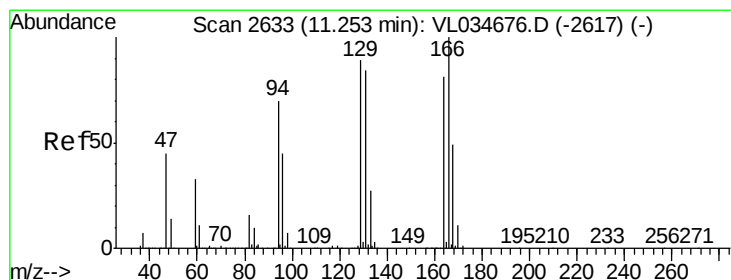
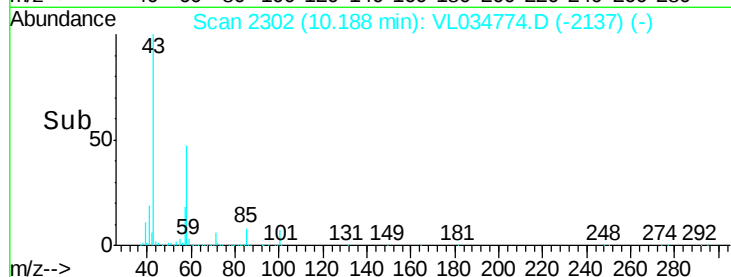
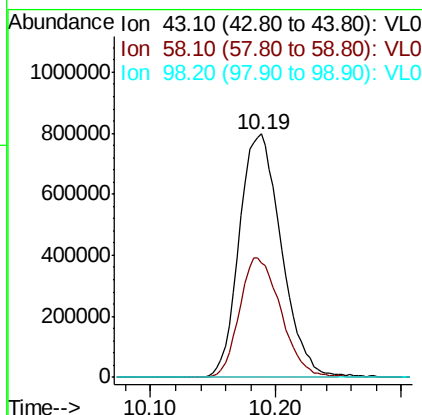
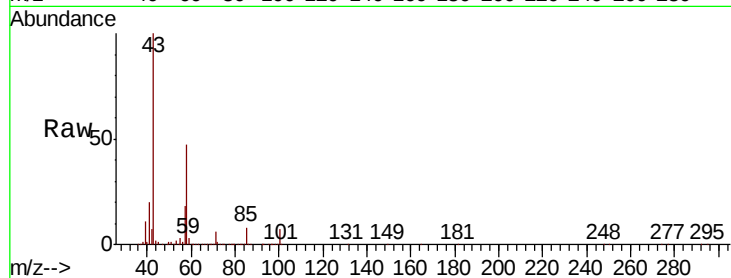




#51
2-Hexanone
Concen: 10.695 ppbv
RT: 10.19 min Scan# 2302
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

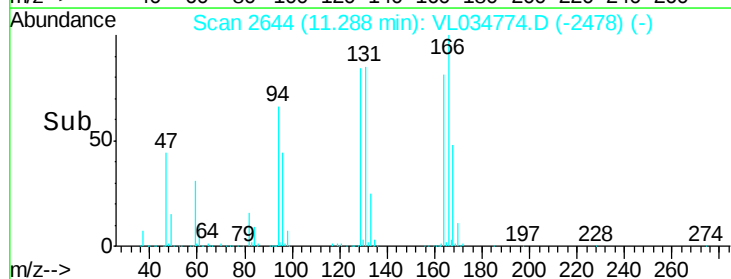
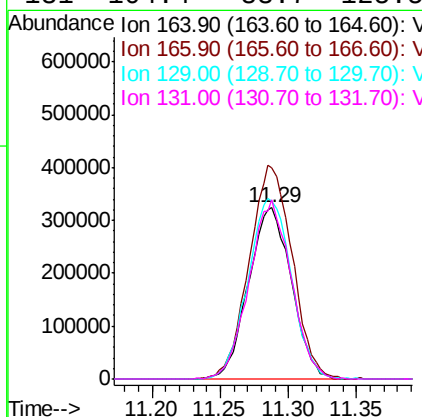
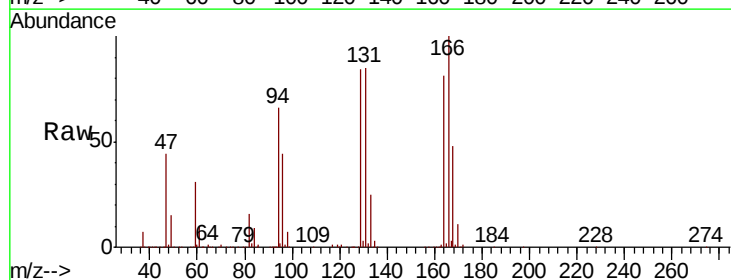
Instrument :
MSVOA_L
ClientSampled :

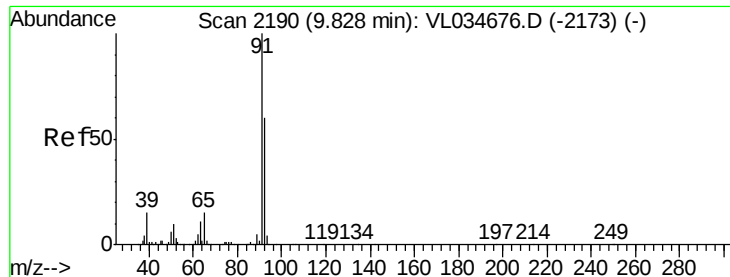
Tot Ion: 43 Resp: 1858113
Ion Ratio Lower Upper
43 100
58 48.7 39.4 59.0
98 0.3 0.2 0.2#



#52
Tetrachloroethene
Concen: 9.019 ppbv
RT: 11.29 min Scan# 2644
Delta R.T. 0.04 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Tgt Ion: 164 Resp: 707059
Ion Ratio Lower Upper
164 100
166 123.4 99.2 148.8
129 103.8 88.0 132.0
131 104.4 83.7 125.5





#53

Toluene

Concen: 10.109 ppbv

RT: 9.86 min Scan# 2200

Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

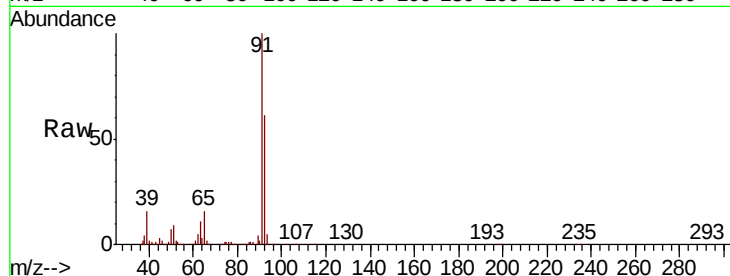
ClientSampleId :

Tot Ion: 91 Resp: 2299748

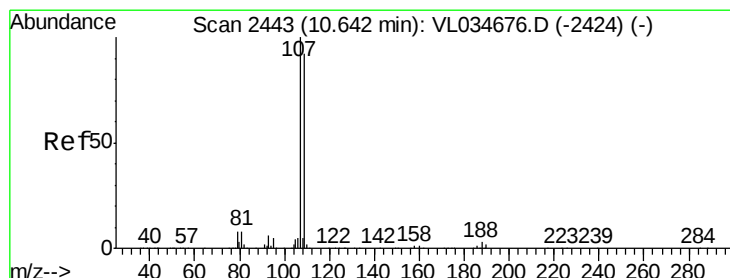
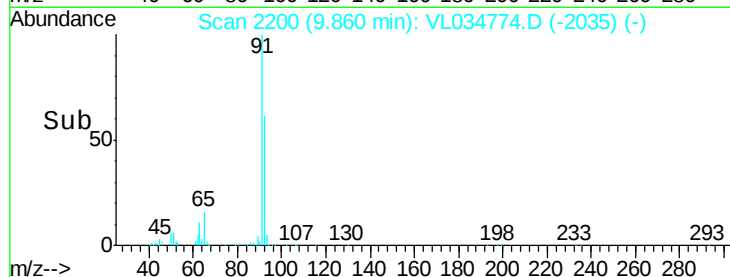
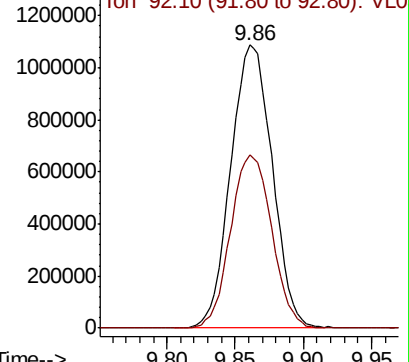
Ion Ratio Lower Upper

91 100

92 60.8 48.5 72.7



Abundance Ion 91.10 (90.80 to 91.80): VL0



#54

1,2-Dibromoethane

Concen: 9.550 ppbv

RT: 10.67 min Scan# 2452

Delta R.T. 0.03 min

Lab File: VL034774.D

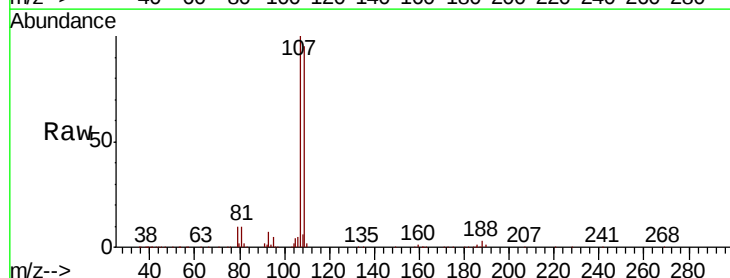
Acq: 3 Mar 2020 21:47

Tgt Ion: 107 Resp: 1243725

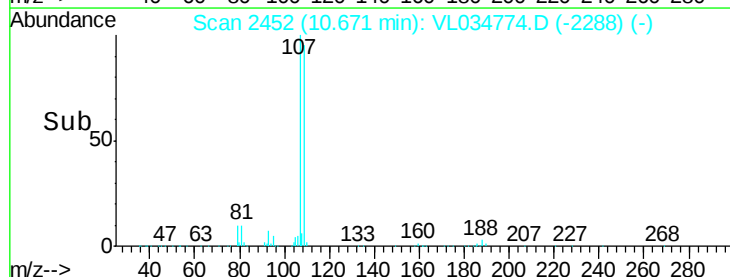
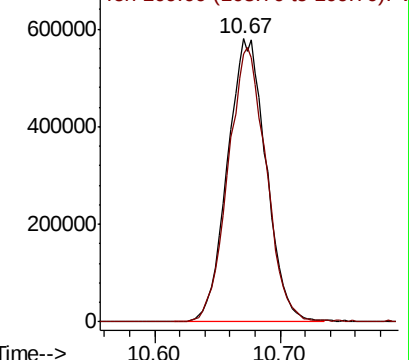
Ion Ratio Lower Upper

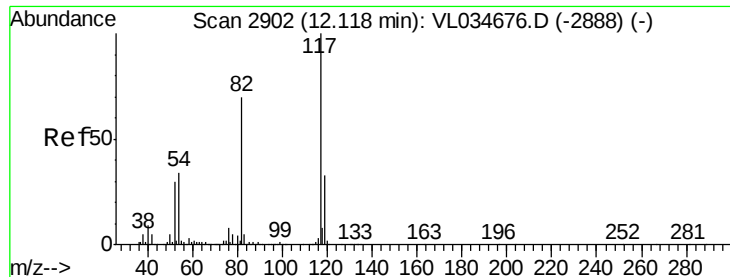
107 100

109 94.8 73.9 110.9



Abundance Ion 107.00 (106.70 to 107.70): V





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.15 min Scan# 2913

Delta R.T. 0.04 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

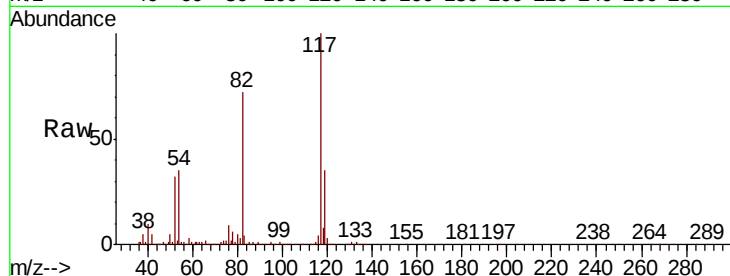
Tot Ion:117 Resp: 3048495

Ion Ratio Lower Upper

117 100

82 58.4 54.1 81.1

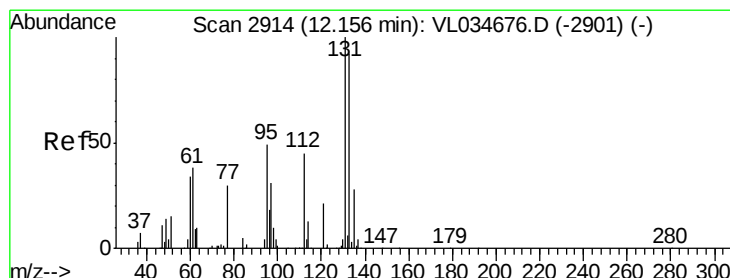
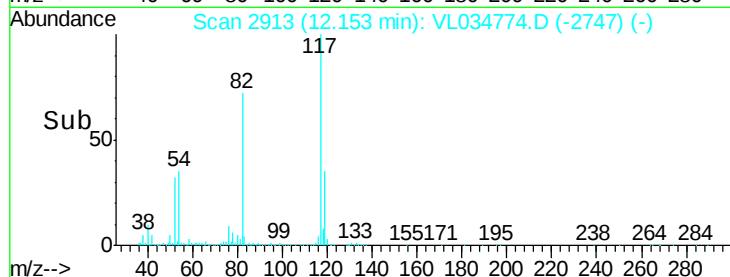
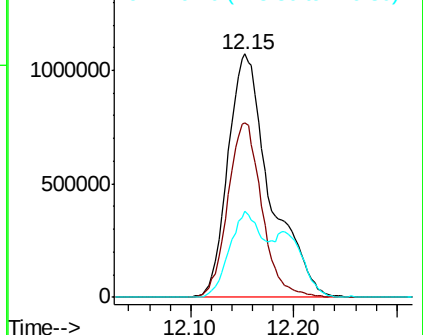
119 27.5 27.6 41.4#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 7.572 ppbv

RT: 12.19 min Scan# 2925

Delta R.T. 0.04 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

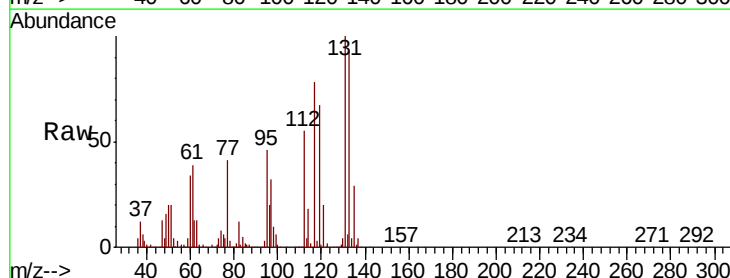
Tgt Ion:131 Resp: 983065

Ion Ratio Lower Upper

131 100

133 96.1 76.6 114.8

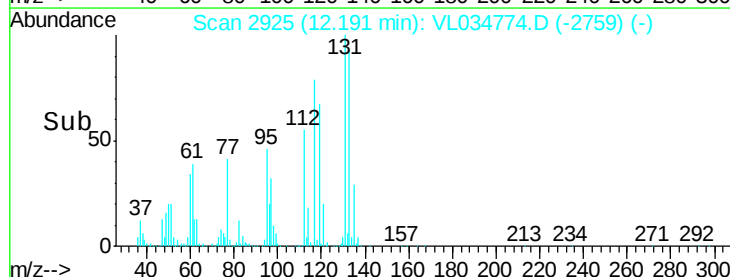
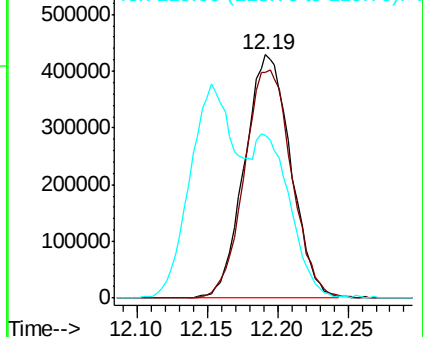
119 145.3 51.3 76.9#

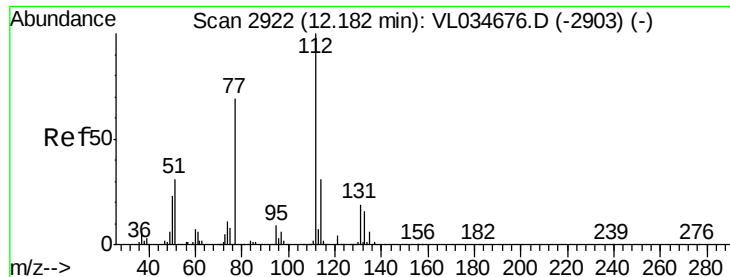


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.454 ppbv

RT: 12.21 min Scan# 2932

Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

ClientSampled :

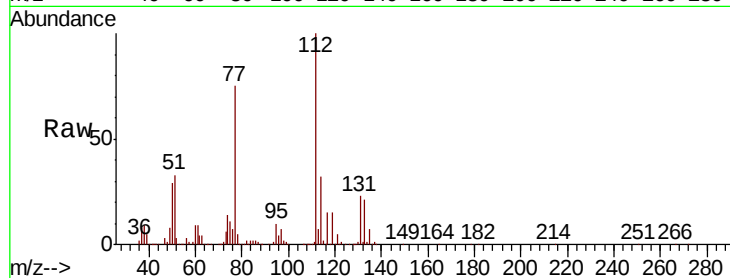
Tot Ion:112 Resp: 1679628

Ion Ratio Lower Upper

112 100

77 74.8 56.5 84.7

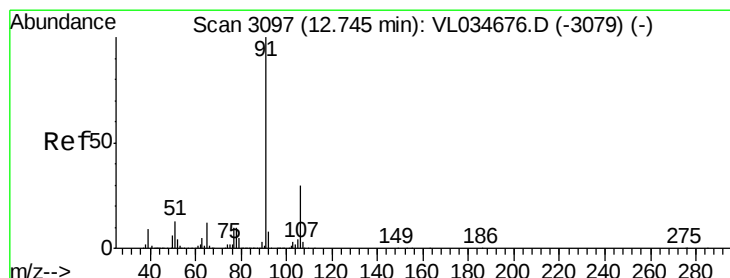
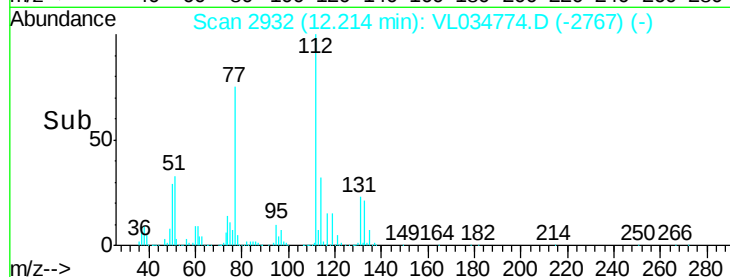
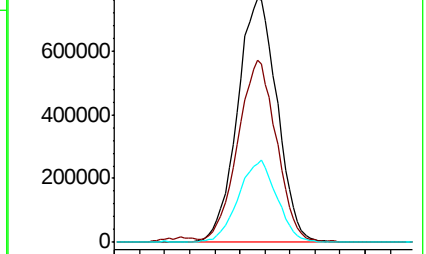
114 32.0 28.1 34.3



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: 8.236 ppbv

RT: 12.78 min Scan# 3107

Delta R.T. 0.03 min

Lab File: VL034774.D

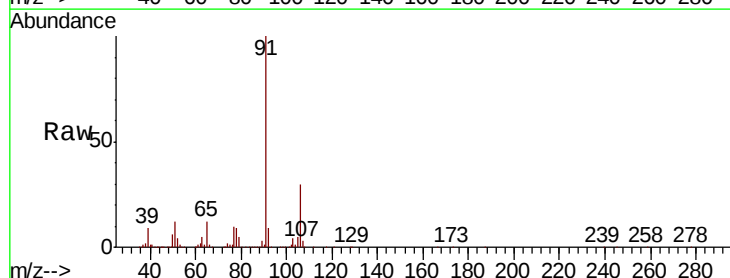
Acq: 3 Mar 2020 21:47

Tgt Ion: 91 Resp: 3037669

Ion Ratio Lower Upper

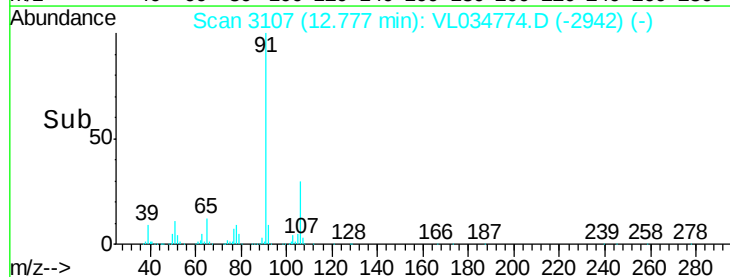
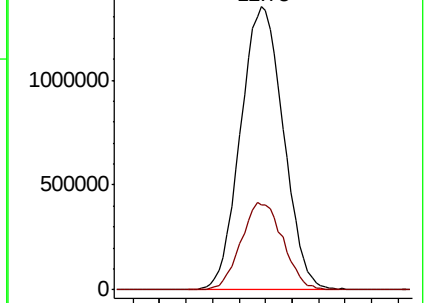
91 100

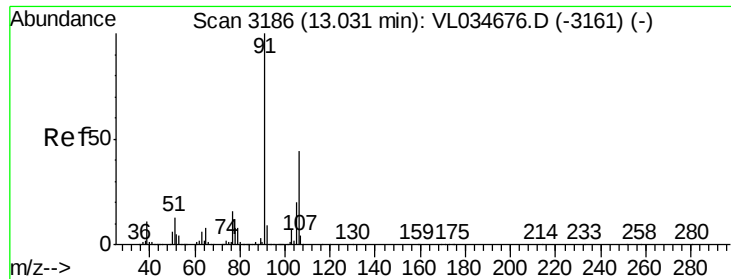
106 30.2 24.0 36.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 8.387 ppbv

RT: 13.06 min Scan# 3195

Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

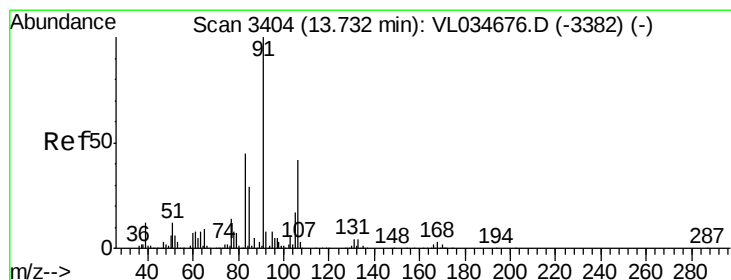
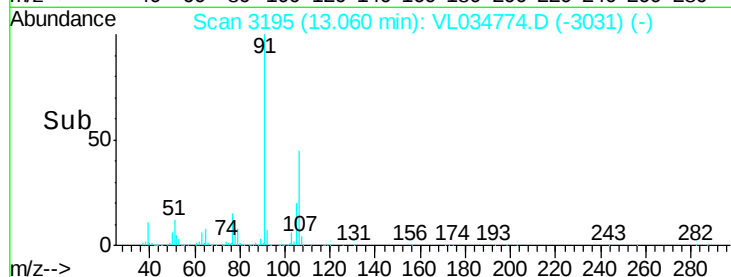
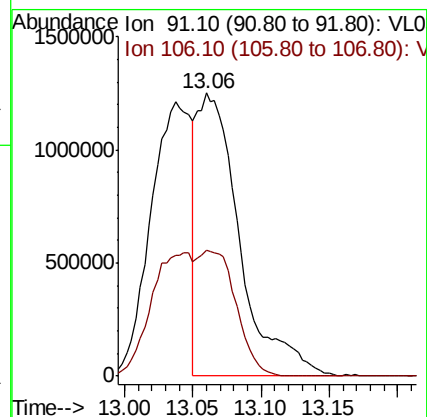
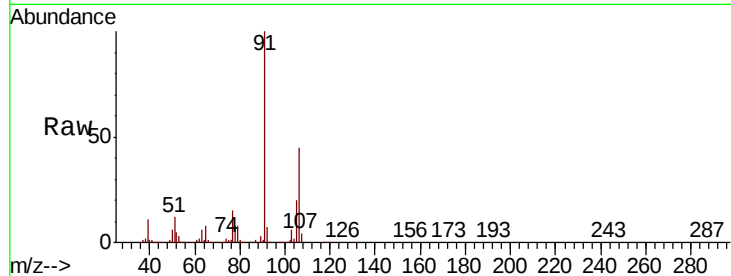
ClientSampleId :

Tot Ion: 91 Resp: 2698022

Ion Ratio Lower Upper

91 100

106 83.1 35.6 53.4#



#60

o-Xylene

Concen: 7.690 ppbv

RT: 13.76 min Scan# 3414

Delta R.T. 0.03 min

Lab File: VL034774.D

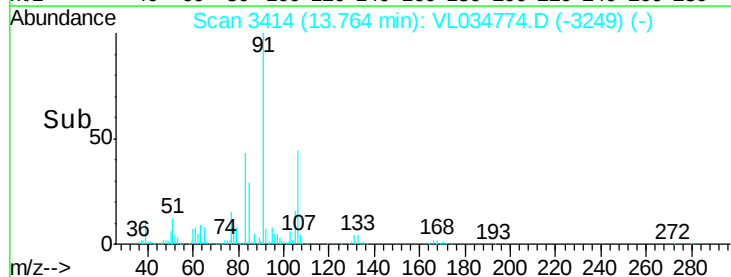
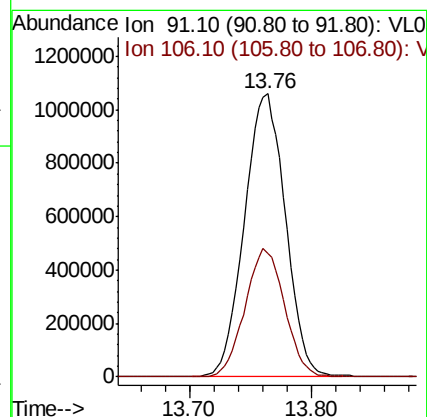
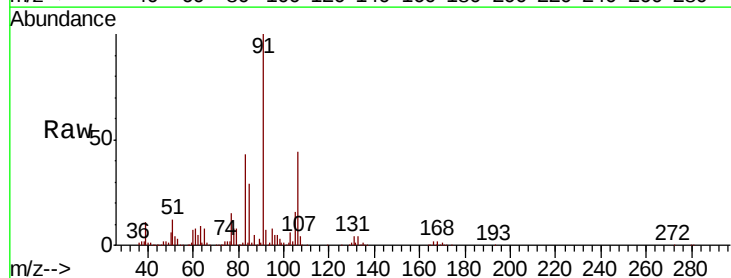
Acq: 3 Mar 2020 21:47

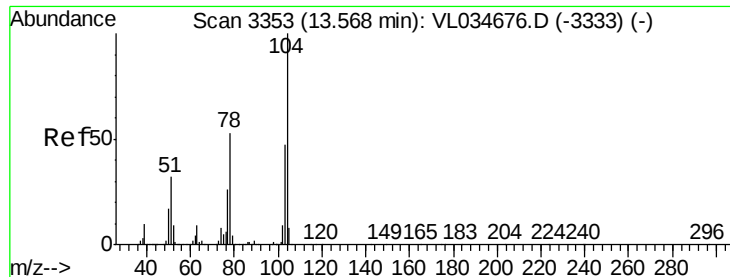
Tgt Ion: 91 Resp: 2454750

Ion Ratio Lower Upper

91 100

106 43.8 21.9 65.5

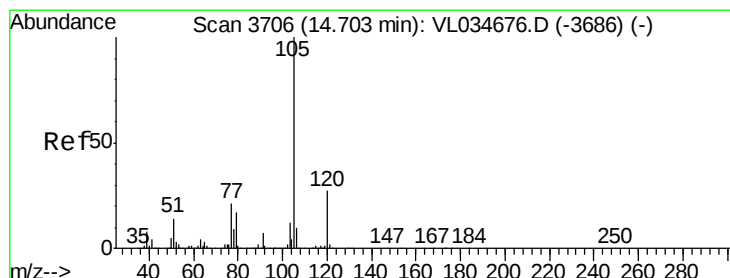
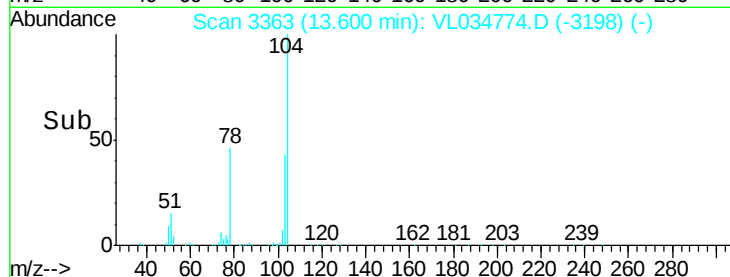
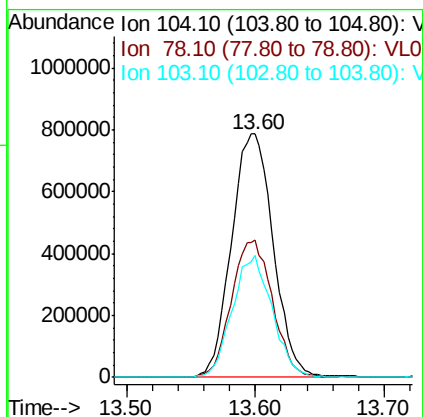
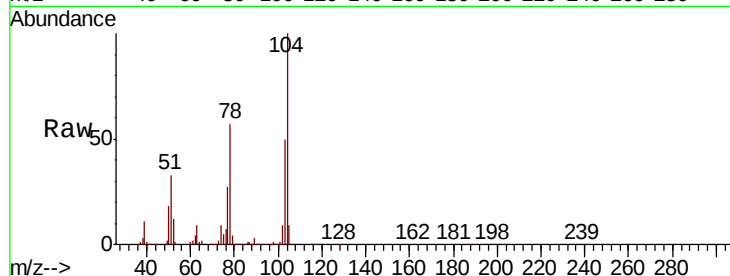




#61
Stvrene
Concen: 8.592 ppbv
RT: 13.60 min Scan# 3363
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

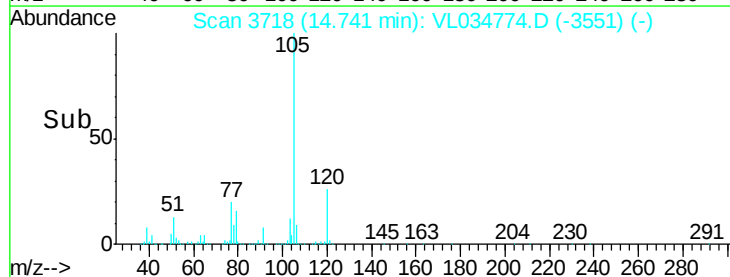
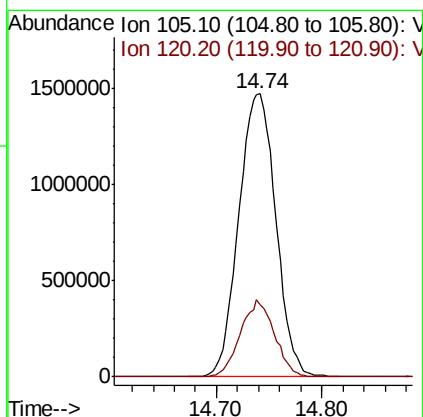
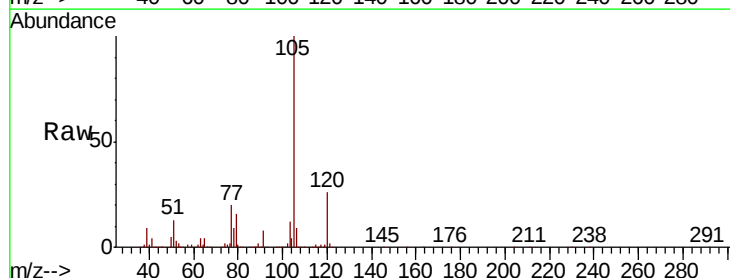
Instrument :
MSVOA_L
ClientSampleId :

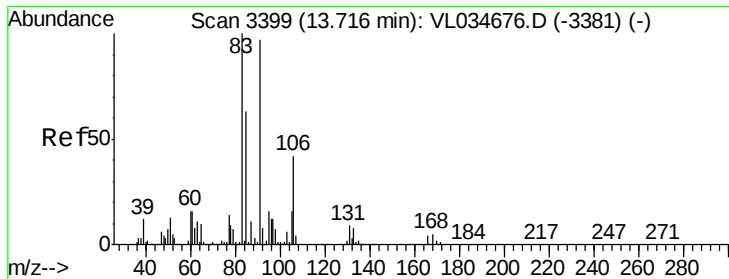
Tot Ion:104 Resp: 1761726
Ion Ratio Lower Upper
104 100
78 56.0 44.2 66.4
103 48.1 37.4 56.0



#62
Isopropylbenzene
Concen: 7.716 ppbv
RT: 14.74 min Scan# 3718
Delta R.T. 0.04 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Tgt Ion:105 Resp: 3593104
Ion Ratio Lower Upper
105 100
120 25.0 20.2 30.4





#63

1,1,2,2-Tetrachloroethane

Concen: 6.922 ppbv

RT: 13.75 min Scan# 3409

Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

ClientSampled :

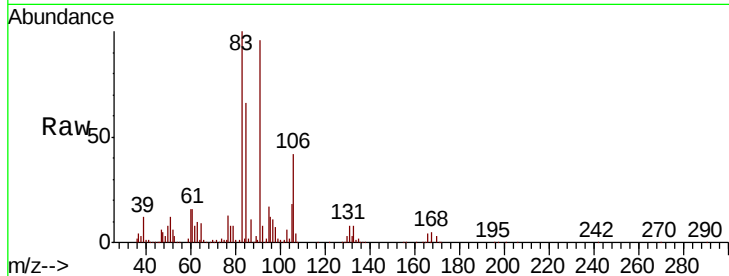
Tot Ion: 83 Resp: 1722268

Ion Ratio Lower Upper

83 100

131 9.0 4.4 13.2

85 65.6 32.5 97.5



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

1000000

800000

600000

400000

200000

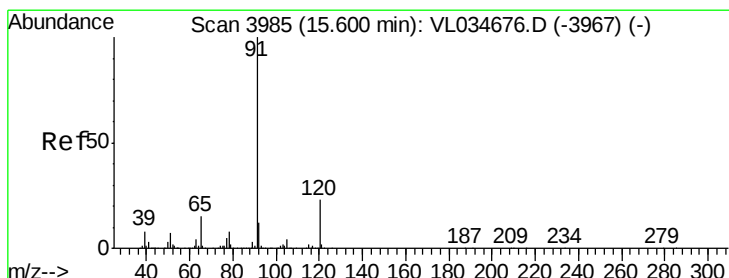
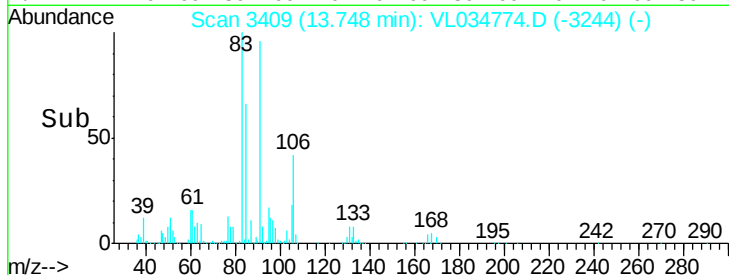
0

13.75

13.70

13.80

Time-->



#64

n-propylbenzene

Concen: 7.642 ppbv

RT: 15.64 min Scan# 3997

Delta R.T. 0.04 min

Lab File: VL034774.D

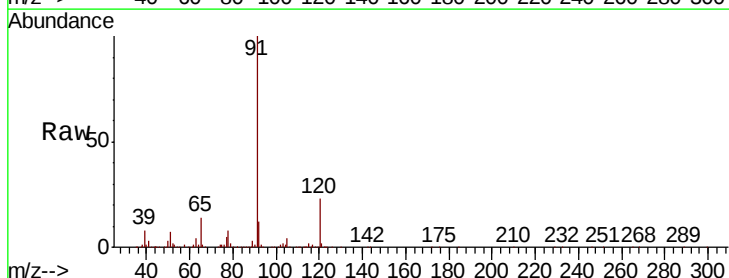
Acq: 3 Mar 2020 21:47

Tgt Ion:120 Resp: 917392

Ion Ratio Lower Upper

120 100

91 484.6 369.8 554.8



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

2000000

1500000

1000000

500000

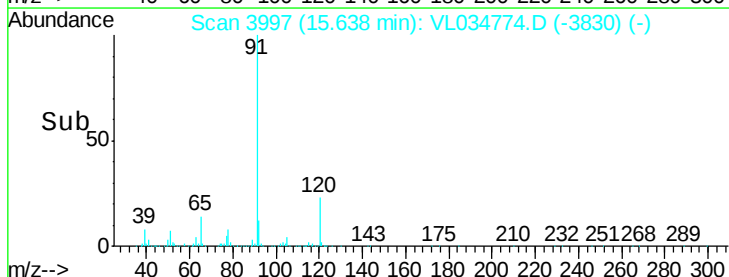
0

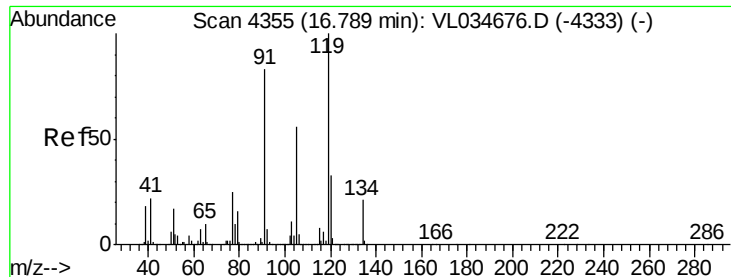
15.64

15.60

15.70

Time-->





#65

tert-Butylbenzene

Concen: 7.687 ppbv

RT: 16.82 min Scan# 4365

Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

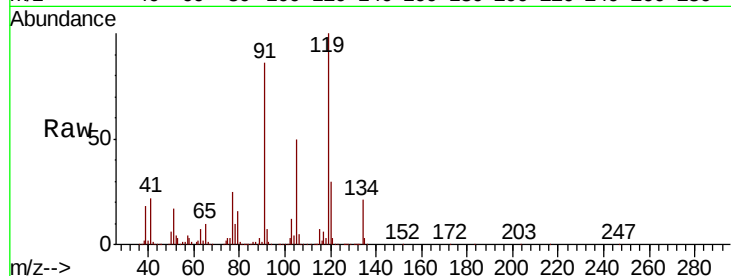
Tot Ion:119 Resp: 3091004

Ion Ratio Lower Upper

119 100

91 86.3 69.1 103.7

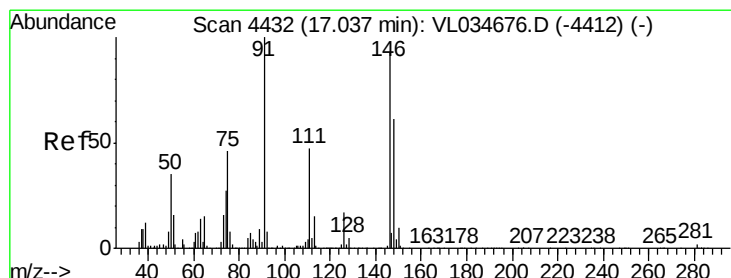
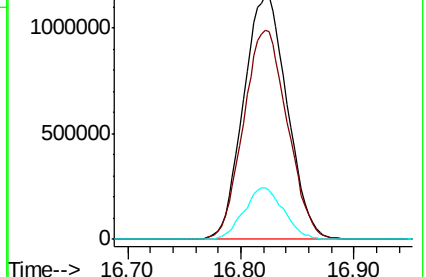
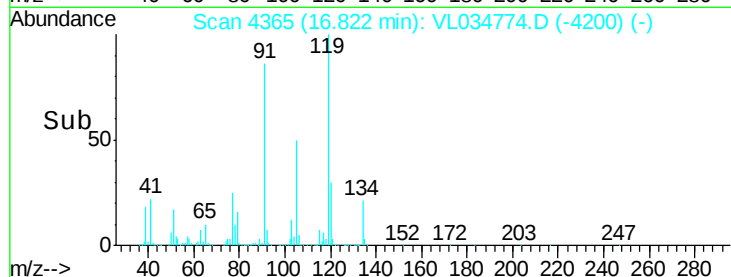
134 19.2 15.8 23.8



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: 9.206 ppbv

RT: 17.07 min Scan# 4441

Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

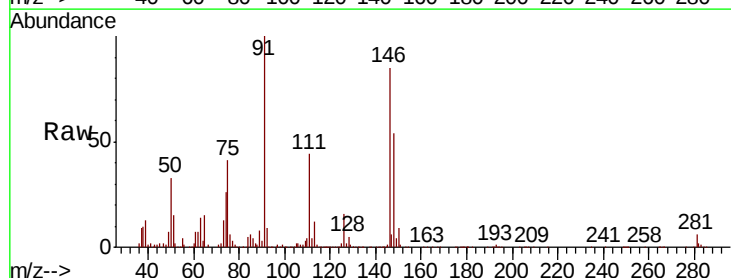
Tgt Ion: 91 Resp: 1380770

Ion Ratio Lower Upper

91 100

126 16.4 13.5 20.3

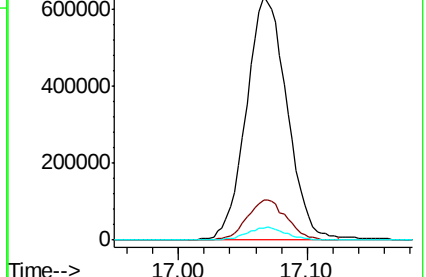
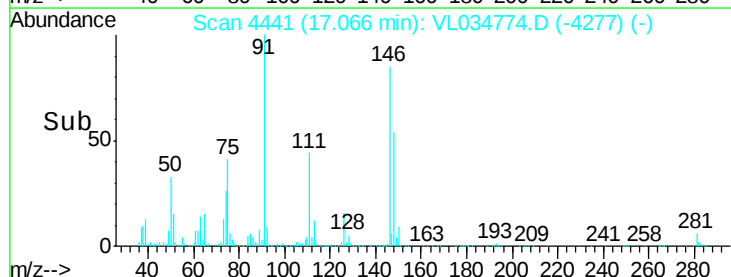
128 5.1 4.2 6.4

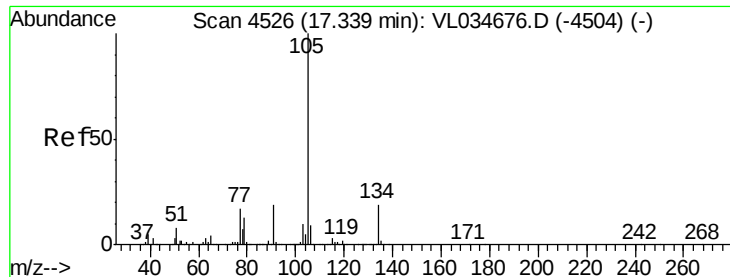


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.639 ppbv

RT: 17.37 min Scan# 4536

Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

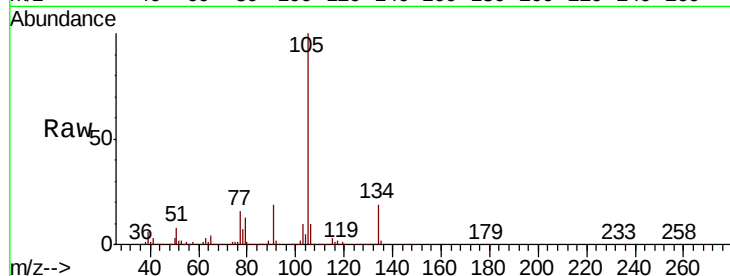
ClientSampleId :

Tot Ion:105 Resp: 4420114

Ion Ratio Lower Upper

105 100

134 18.1 14.8 22.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

2000000

1500000

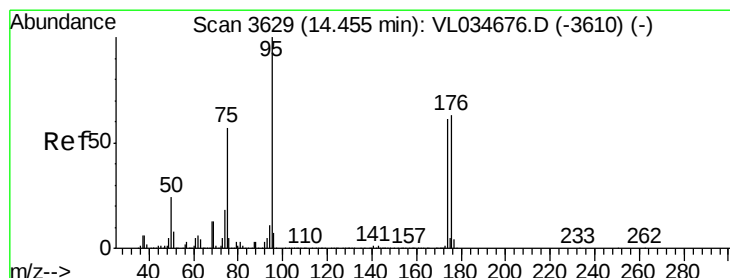
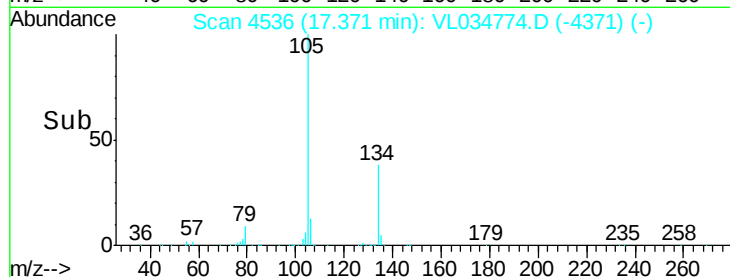
1000000

500000

0

17.30 17.40

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 8.280 ppbv

RT: 14.49 min Scan# 3639

Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

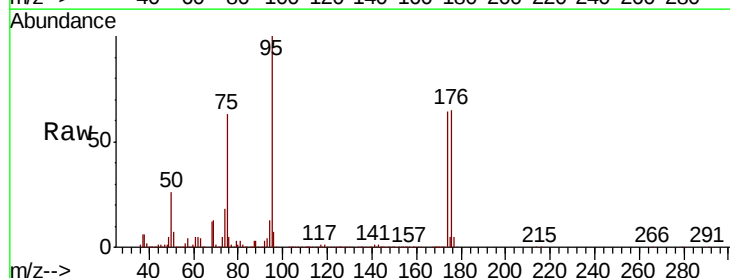
Tgt Ion: 95 Resp: 2069607

Ion Ratio Lower Upper

95 100

174 64.2 50.7 76.1

175 4.9 3.9 5.9



Abundance Ion 95.10 (94.80 to 95.80): VLO

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

1200000

1000000

800000

600000

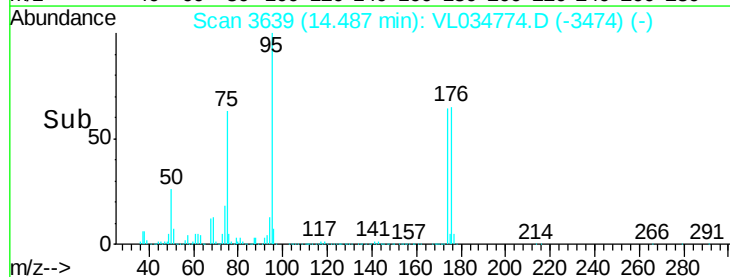
400000

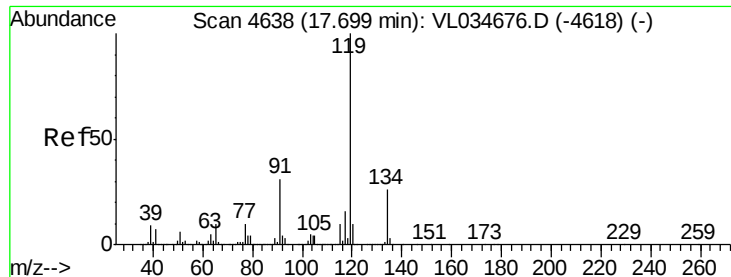
200000

0

14.40 14.50

Time-->

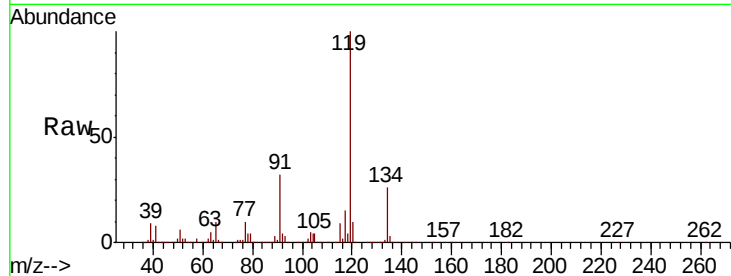




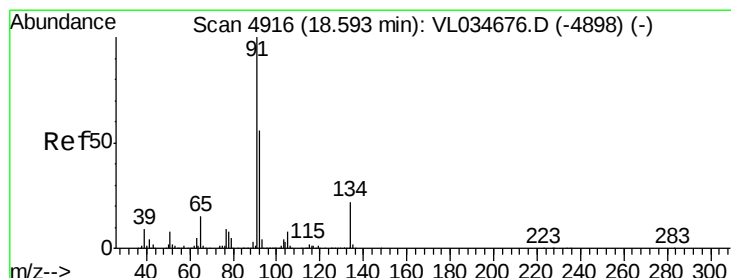
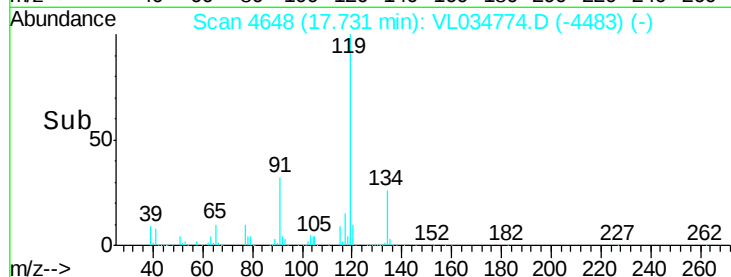
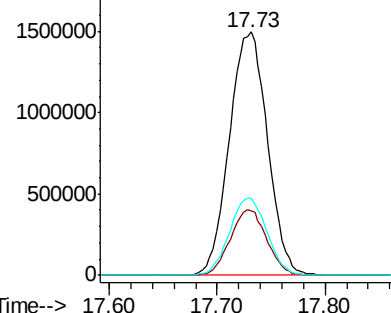
#69
 p-Isopropyltoluene
 Concen: 7.708 ppbv
 RT: 17.73 min Scan# 4648
 Delta R.T. 0.03 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:119 Resp: 3671354
 Ion Ratio Lower Upper
 119 100
 134 25.9 20.6 31.0
 91 31.5 25.3 37.9

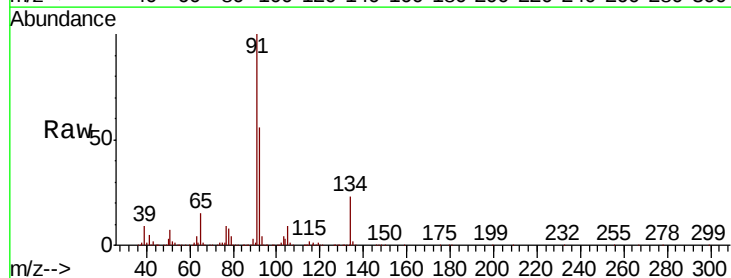


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

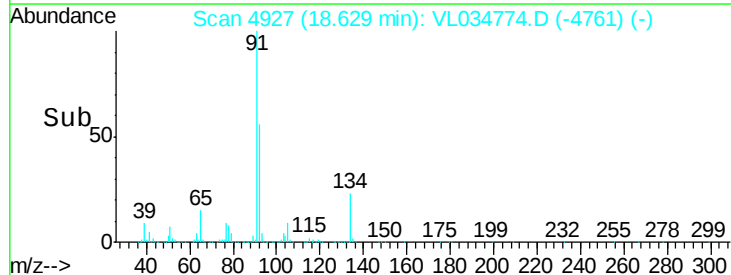
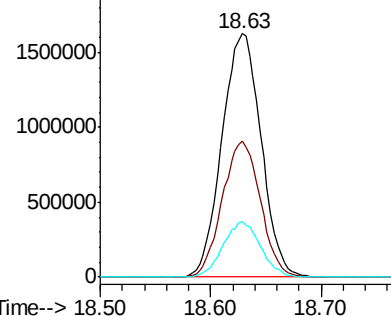


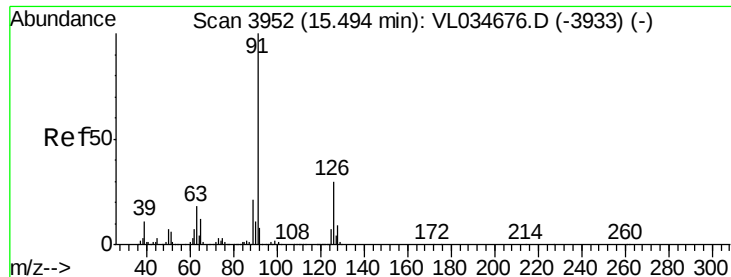
#70
 n-Butylbenzene
 Concen: 7.699 ppbv
 RT: 18.63 min Scan# 4927
 Delta R.T. 0.04 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Tgt Ion: 91 Resp: 3992924
 Ion Ratio Lower Upper
 91 100
 92 54.5 43.8 65.6
 134 21.9 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

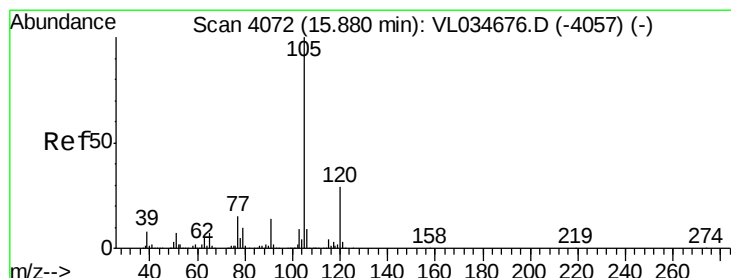
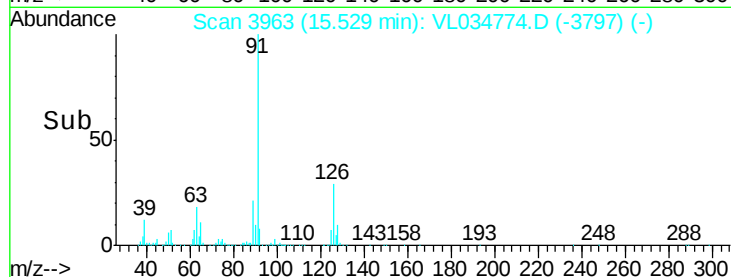
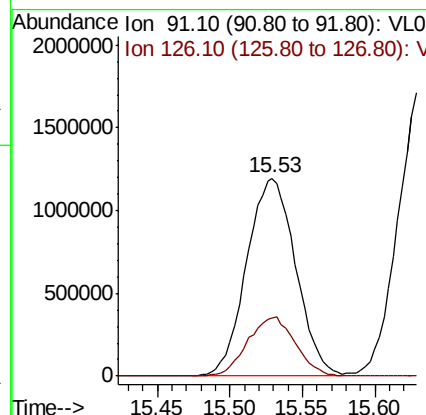
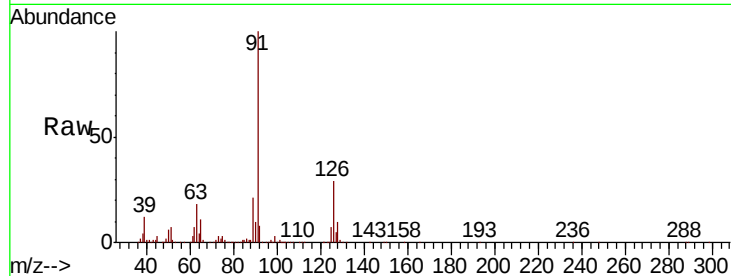




#71
2-Chlorotoluene
Concen: 7.775 ppbv
RT: 15.53 min Scan# 3963
Delta R.T. 0.04 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

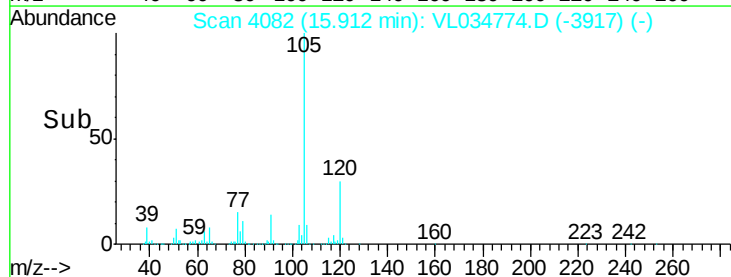
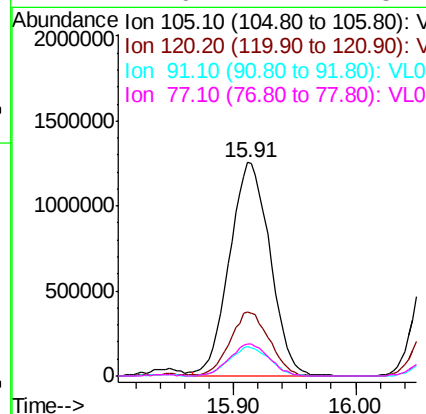
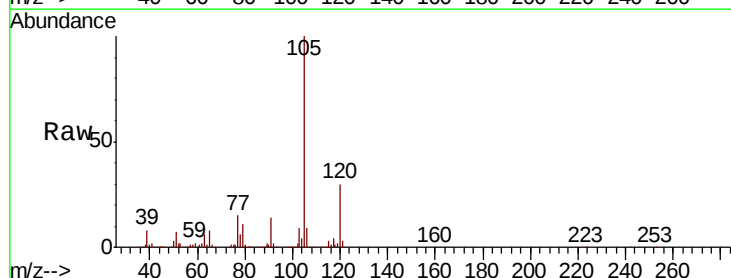
Instrument :
MSVOA_L
ClientSampleId :

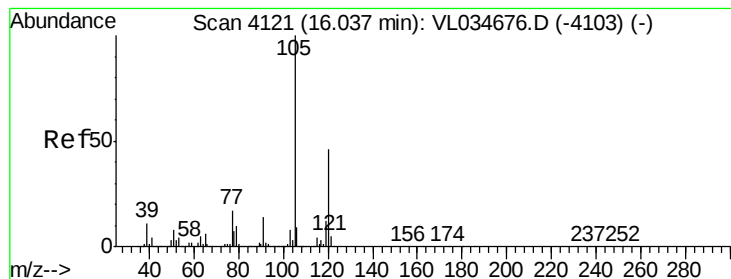
Tot Ion: 91 Resp: 2804016
Ion Ratio Lower Upper
91 100
126 29.4 11.8 47.2



#72
4-Ethyltoluene
Concen: 8.133 ppbv
RT: 15.91 min Scan# 4082
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Tgt Ion:105 Resp: 2889756
Ion Ratio Lower Upper
105 100
120 29.3 23.7 35.5
91 13.5 10.9 16.3
77 14.9 12.2 18.2





#73

1,3,5-Trimethylbenzene

Concen: 7.986 ppbv

RT: 16.07 min Scan# 4132

Delta R.T. 0.04 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

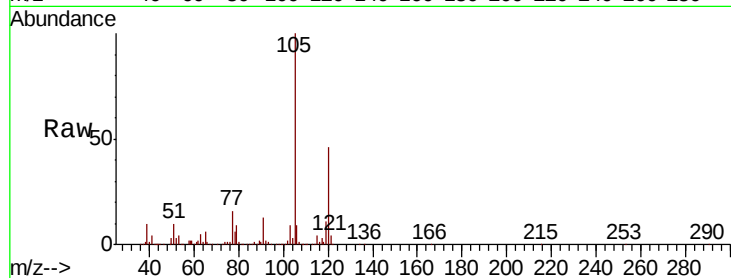
ClientSampleId :

Tot Ion:105 Resp: 2729431

Ion Ratio Lower Upper

105 100

120 45.9 37.1 55.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

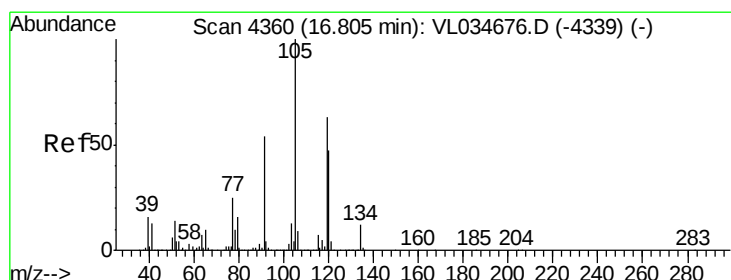
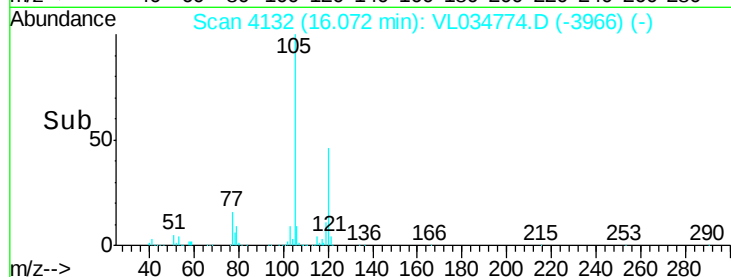
16.07

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.455 ppbv

RT: 16.84 min Scan# 4371

Delta R.T. 0.04 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Tgt Ion:105 Resp: 2814100

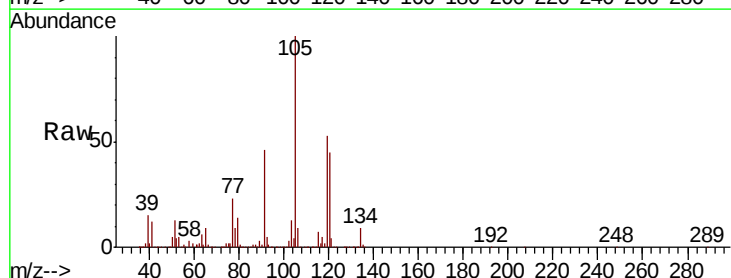
Ion Ratio Lower Upper

105 100

120 45.0 37.9 56.9

91 45.8 43.9 65.9

77 22.7 20.3 30.5



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

16.84

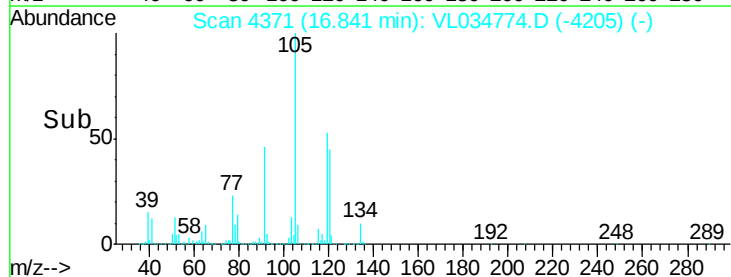
1500000

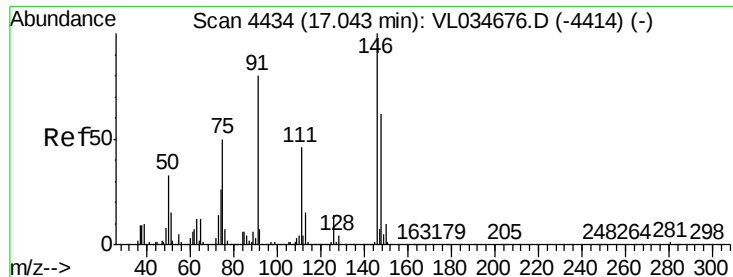
1000000

500000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 7.384 ppbv

RT: 17.08 min Scan# 4444

Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

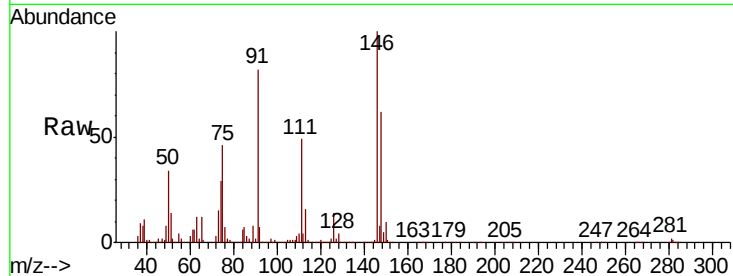
Tot Ion:146 Resp: 1608809

Ion Ratio Lower Upper

146 100

111 49.4 24.4 73.2

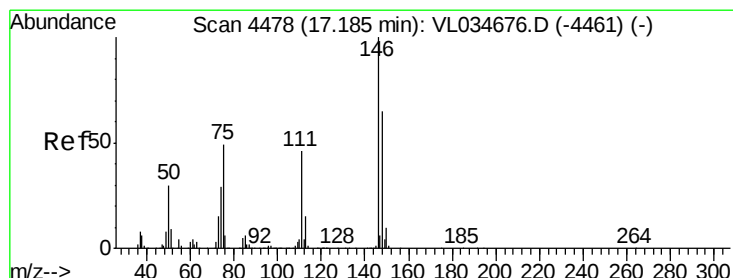
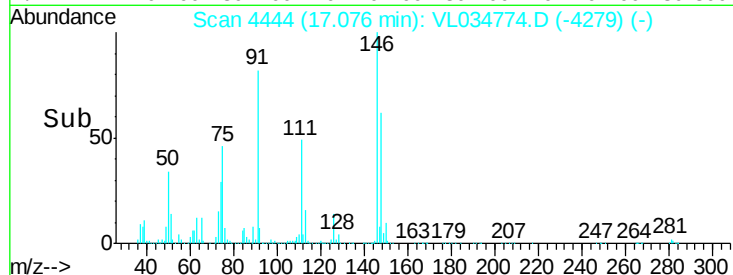
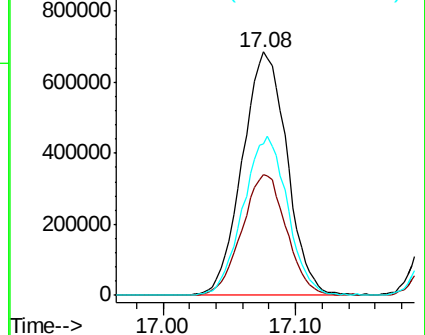
148 64.9 32.5 97.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.445 ppbv

RT: 17.22 min Scan# 4490

Delta R.T. 0.04 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

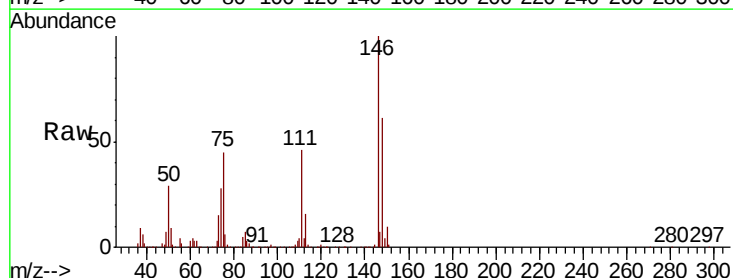
Tgt Ion:146 Resp: 1622961

Ion Ratio Lower Upper

146 100

111 47.7 23.4 70.0

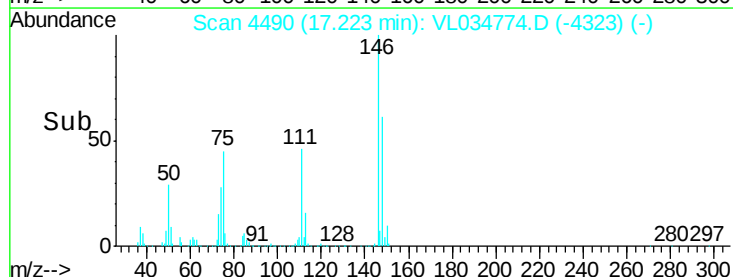
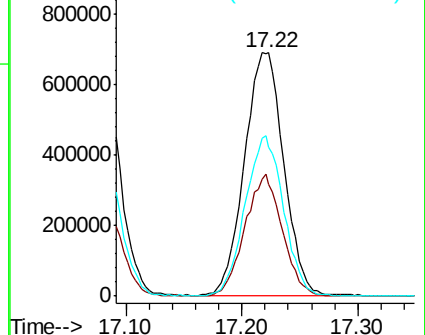
148 64.6 31.9 95.5

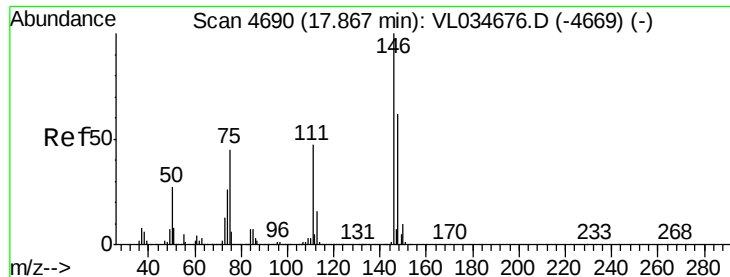


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

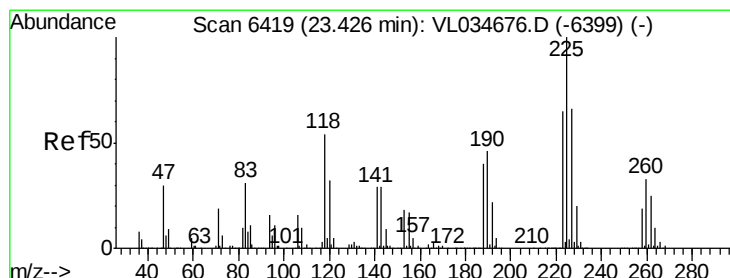
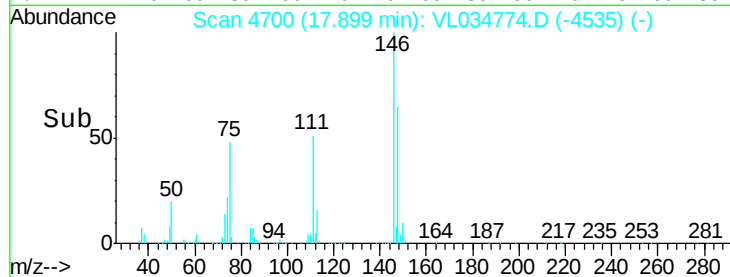
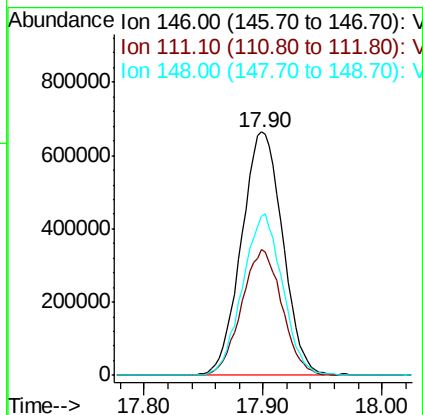
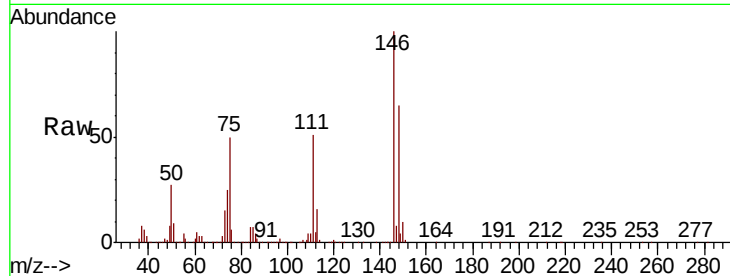




#77
 1,2-Dichlorobenzene
 Concen: 7.580 ppbv
 RT: 17.90 min Scan# 4700
 Delta R.T. 0.03 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

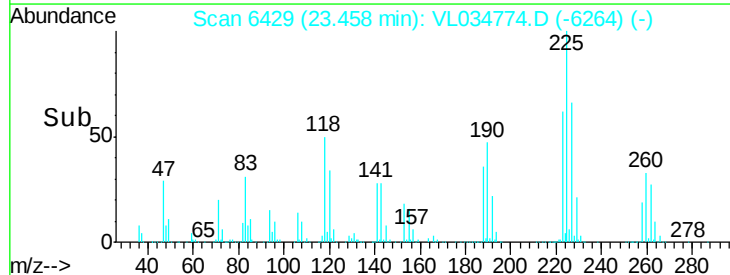
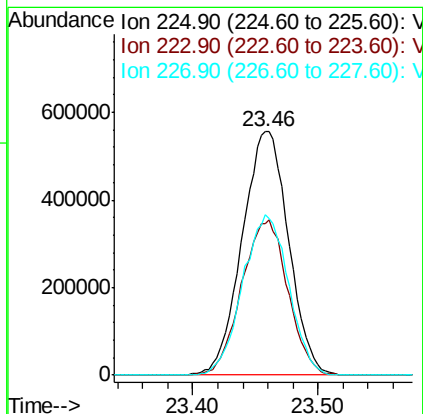
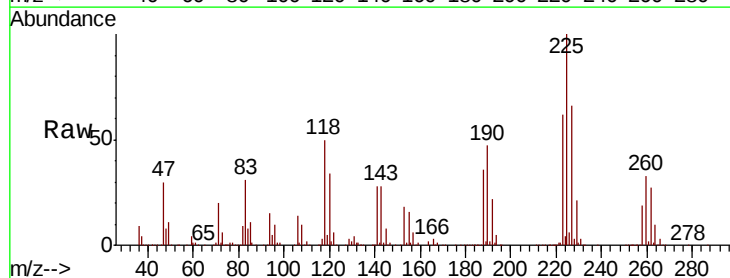
Instrument :
 MSVOA_L
 ClientSampled :

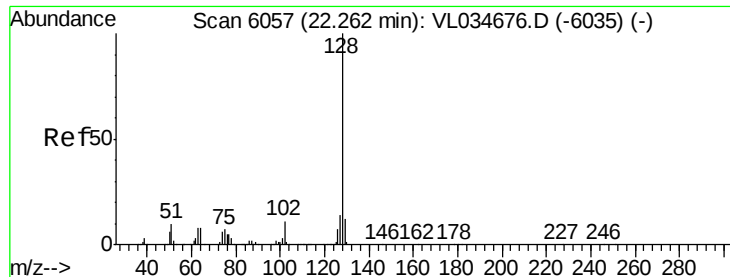
Tot Ion:146 Resp: 1596708
 Ion Ratio Lower Upper
 146 100
 111 50.7 24.9 74.7
 148 64.1 32.0 96.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.806 ppbv
 RT: 23.46 min Scan# 6429
 Delta R.T. 0.03 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Tgt Ion:225 Resp: 1431686
 Ion Ratio Lower Upper
 225 100
 223 63.3 51.3 76.9
 227 65.2 51.3 76.9





#79

Naphthalene

Concen: 8.770 ppbv

RT: 22.30 min Scan# 6069

Delta R.T. 0.04 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

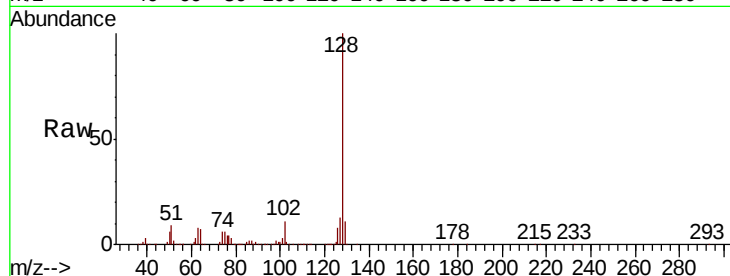
Tot Ion:128 Resp: 2913229

Ion Ratio Lower Upper

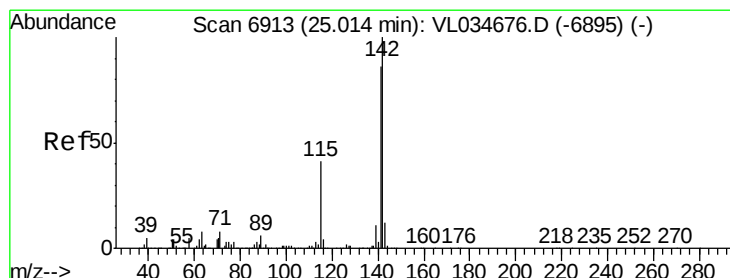
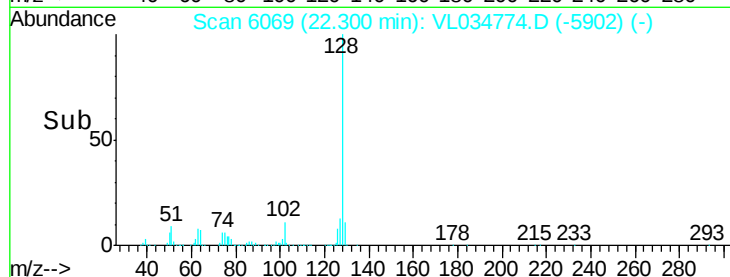
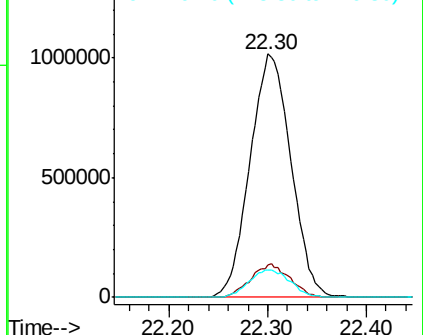
128 100

127 13.3 11.0 16.6

129 11.0 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: 12.656 ppbv

RT: 25.04 min Scan# 6922

Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

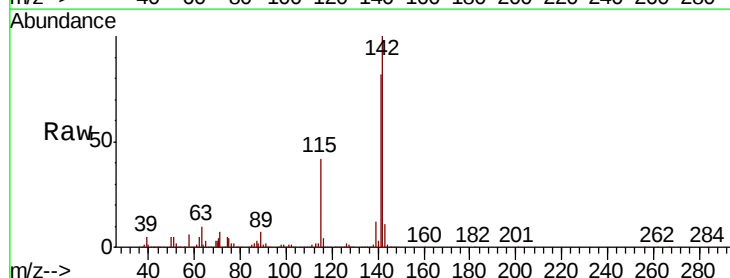
Tgt Ion:142 Resp: 1296777

Ion Ratio Lower Upper

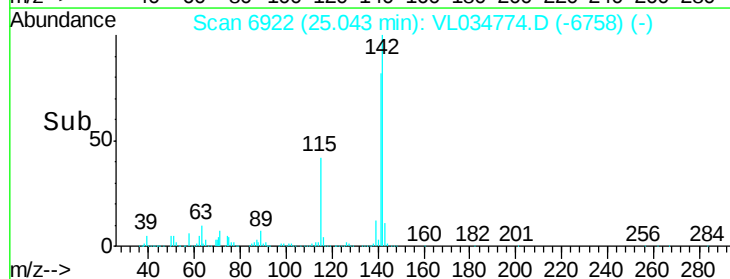
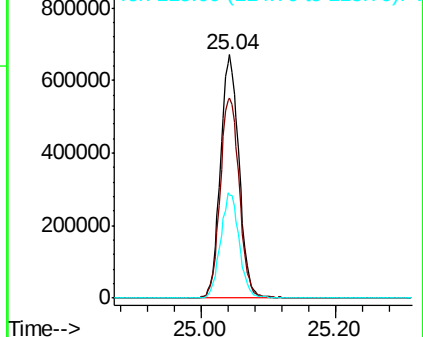
142 100

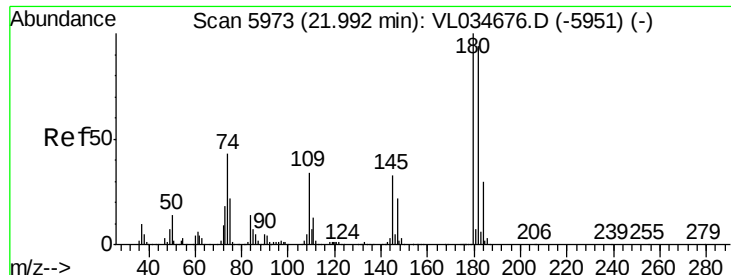
141 84.6 66.5 99.7

115 43.2 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: 3.940 ppbv
 RT: 22.03 min Scan# 5986
 Delta R.T. 0.04 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 781062
 Ion Ratio Lower Upper
 180 100
 182 0.0 76.5 114.7#
 184 66.3 25.2 37.8#

